K4AO
33166

COMING EVENTS

Globecom '82, Bel Harbour, Nov. 29-30 Dec. 1-2
Broward Hamfest Dec. 4 & 5
Sarasota Hamfest Jan. 15 & 16, 1983
Miami Hamboree, Feb. 5 & 6
Pinellas Park Boys Club Hamfest, Feb. 20
Jensen Beach/Stuart, Free Hamfest, Feb. 26
Ft. Walton Beach SWAPFEST, Mar. 12
Orlando Hamcation Mar. 18, 19 & 20th
Pse send dates early. See ads elsewhere for complete details. Thanks. . . . . Editor.

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florida SKIP

NON-PROFIT CORPORATION

VOL. 26 NO. 7 THE ALL-FLORIDA AMATEUR RADIO AMATEUR'S PUBLICATION December 1982 Price 45 cents.

Head table during QCWA luncheon, Clearwater Convention, Oct. 16, 1982. L-R: Wes Randles W4COW, QCWA National Treasurer; Frank Butler W4RH, S.E. Div. Director ARRL; Bob Zimmer W4JZB, President QCWA Gulf Coast Chapter; Jack Mandel W4-PLW, President Pelican Chapter; Lou Weber K4HWS, President Gator Chapter; Ralph Barlow, Engineer-in-Charge Tampa FCC and Eli Nannis K4JMH, Secratary of Gator Chapter, State QCWA Editor for Florida Skip and M.C. for luncheon. (Photo by W4DLL)

TEMPORARY USE OF 30-METER BAND IN AMATEUR SERVICE AUTHORIZED

The Commission has amended Part 2 of its rules to permit temporary use of frequencies in the bands 10.100-10.109 MHz and 10.115-10.150 MHz by the Amateur Radio Service licensee, on a secondary, non-interference basis. These frequencies are in the band commonly referred to in the amateur community as the 30-meter band.

The World Administrative Radio Conference held at Geneva, Switzerland, in 1979 (WARC-79) allocated the frequencies 10.100-10.150 MHz to the Amateur Radio Service on a secondary basis to

QSY back page, col. 1 - bottom

FREE 1983 CALENDARS

It's that time of year again when FLORIDA SKIP offers a neat Ham Shack size, multi-colored calendar Free to its members. This will be our 21st year in sending out Free calendars. Needless to say, we have give away thousands of calendars during this time of period. It measures 3 1/2 by 5 3/4 inches. It has on each page (month), last as well as next month, in large & bold numbers. These calendars cost SKIP over 26 cents each, but they are free to members, however, if you wish you can send a small donation. To get your free calendar, send a SASE (Self Address Stamped Envelope) tp Calendar, FLORIDA SKIP, P. O. Box 501, Miami Springs, FL 33166. Thank you & SEASONS GREETINGS. . .

"FLORIDA SKIP" On Tape For The Print Handicapped

By Norma McReynolds

Six days each week textbooks, novels, and magazines are recorded onto tape at Daytona Beach's Florida Regional Library for the Blind and Physically Handicapped.

Other groups working with the Libray include: Insight for the Blind (Fort Lauderdale), Brevard Association for the Advancement of the Blind (Melbourne), Second Sight (Stuart), and the Brevard Correctional Institute (Sharpes). These studio's produce audio editions of 24 magazines, including "Florida Skip", which currently has a readership of 61 print handicapped Floridians.

This work is accomplished by teams of 3 volunteers: narrator, monitor, and reviewer.

The narrator is reponsible for: 1) planning and preparation of material to be read; 2) intelligent and accurate presentation of the text, 3) writing out all descriptions of graphs, charts, etc. 4) insuring that all announcements, footnotes, and formats are handled in a prescribed manner and 5) finding reliable sources for accurate and correct information for names, words, symbols, etc.

The second team member is the monitor who works very closely with the narrator. The monitor is responsible for: 1) insuring the

QSY back page, Col 1 - top

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12

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(Send all SKIP correspondance to address above please.)

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Andy Clark, W4IYT, Editor/Publisher
Betty Clark, W4GGQ, Business Manager
Jane & Joan Clark, Mailing Department
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DEADLINE: 8th of month in Box 501, Miami Springs, FL 33166

EX CALLS

More and more Ex-Calls. They keep coming. Have you sent in yours with your Skip renewal or HAMBAR? Editor

WB4I	ex	KA4HAG
W4GNT	ex	YA1GNT (Afghanistan)
KE4PG	ex	WB4HKO
W4KS	ex	W4TXE
N4GUK	ex	WD4KYY
WF4X	ex	WD4HIF
K4NI	ex	2NB W2NB, W2OZE, W2NI, VP2MNI
WG4C	ex	KE4ZG
WA4B	ex	N4CUK, KA4KIU
WE4L	ex	N4EOU
WE4Q	ex	KB9ME
KF4GM	ex	KA4JUL
WF4IO	ex	KA4HJCK4JHZ
K4JHZ	ex	W1ZGK
KD4QJ	ex	KD4GJ, WD4PHL, N4EUQ
WD4ADD	ex	W3TZP, K1DDJ, WB6JMH, W7FBA, WB4IRW
W9DSO	ex	9CZV, W9DSO, K4AUA

NEW REPEATER MAP OFF PRESS

The third edition of the Florida Repeater Map is off the press. A beautiful job by Editor, Bill Tucker, W4FXE. This Map is up to the minute listing all our Florida open repeaters. Each city has it's own box with frequencies listed therein. There is another listby frequency along the side. Map is printed on 11 by 17 inches, black on light yellow 20 pound bond paper. Easy to read while mobiling, etc. We are keeping price down to only 25 cents each with your No. 10 (business size) envelope self addressed and stamped. Send to: Map, Florida Skip, Box 501, Miami Springs, FL 33166. You'll like it, we are sure.

TO THE EDITOR

Dear Andy,
Enclosed is the article on putting publications on tape that you and Betty requested. We do hope this is the information you wanted.
It was nice meeting you both and am sure we'll meet at another Hamfest soon.
If any questions on the article, please dontact Diane Schultz at the number given in the article. (1-800-342-5627)
Thank you.

Sincerely,
Norma L. McReynolds
XYL of K4JDV
South Daytona, FL 32021

Dear Andy:
In response to the August SKIP Army MARS column, more than 60 Hams wrote to John Haerle and requested a copy of his article, "The Easy Way!"
Because of the tremendous interest thus expressed in what you and I might call, "Antenna Theory without BS," I interviewed Walter Maxwell, the authoritative source of Haerle's article, and produced the attached column.
Andy, I know it's longer than standard, but the material is so darn important, that I don't know how to cut it without castrating it! Could you please shoehorn it in somehow — even use finer print if you have to? This stuff seems to be of more real use to Hams than any other material we've written.
73,

Dick Biow
Winter Park, FL

(Editor's Note: Will do our best.)

Dear Andy,
The time has come once again for me to renew my subscription. Enclosed find check for same.
I was glad to finally get the results of the FLA QSO Party. My effort this year was damped by the trauma of having to move from Florida. I see that the competition on CW is dwindling. I think that CW should have a scoring advantage to make it more competitive with SSB. In an effort to obtain a higher score for the Radio Club I spent more time on SSB simply because that was where the points were.
We have been living here since June now and are finally getting settled. My forty foot tower that looked great in Lake Park is now dwarfed by sixty foot oak trees. It's OK here but we sure miss Florida.
Please let everyone who owns a CW Sendin' Machine that I have not dropped off the face of the Earth that I can give service if needed. I am no longer building them or making any active effort to sell them.
Best of luck to you and Florida Skip. Hope to return to Florida someday.
73,

H. Alan Harp, K4PB
8113 Belgium Dr.
Raleigh, NC 27606

Dear Andy,
This letter is to inform you that the Federal Communications Commission is moving their office to a new location. The address and telephone numer is as follows: (Effective 11/08/82)

Federal Communications Commission
Suite 203 Koger Building
8675 N.W. 53rd Street
Miami, Florida 33166
Telephone: (305) 350-5542

We hope to be able to serve you with the same courtesy as in the past.

Sincerely,
John L. Theimer
Engineer in Charge
Miami, FL

Dear Sir:
I most humbly beseech thee, in full earnest, to initiate me in subscription membership of Florida Skip magazine for said term of not less than one (1) complete solar year, renderable in (12) monthly installments of one (1) each. Attached will be found my advance remuneration of $5.00; a personal check of a value equall to and negotiable for said amount of legal tender backed by the United States Federal Reserve and valid for trade in all states, commonwealths, possessions, protectorates, military zones, and ambassadorial properties of said nation-state.

most graciously
Joel M. Wilson, AI4I
Coral Gales, FL

(Editor's Note: You got it Man!)

SILENT KEYS

We are deeply sorry to report the passing of the following amateurs. May they R.I.P.

WA4CFA	Dick Totten	Ft. Lauderdale
W4BMF	Ray Green	Port Charlotte
KD4EH	Ed Asay	Sarasota
WA4SUD	John Sasse	Zellwood
WD4FCU	Fred Peters	Hollywood
WA3ZMS	Wayne Sphar	Ocala
K4BQO	Edgar Love	St. Petersburg
WB4CCN	Arthur Bond Jr.	Casselberry
KD4DP	Stanley Horbarenko	Citrus Springs
WA4JMY	Mark Hillman	Daytona Beach
W4JRB	Dave Horton	Silver Springs
W4TD	Edward Manley	Melrose
W4LIU	Blair Pearson	Riverview
K4CFX	Howard Ficquette	Winter Garden
W4LIU	Blair Pearson	Riverview
K4HCI	Lucius G. Hobbs	Naranja

BROWARD AMATEUR RADIO CLUB

Proudly Presents the 6th Annual

BROWARD HAMFEST

Port Everglades Building 19, Ft.Lauderdale, FL

9:00 to 5:00, Saturday, Dec.4th and 9:00to 4:00, Sunday, Dec. 5th, 1982

MAJOR AWARDS PRESENTED SUNDAY

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IC 2AT's and many, many others

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Richard Palm K1CE-Editor of Washington Mailbox
Frank Butler,Jr. W4RH - S.E. Div.Director
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Computer Topics
by IBM. SEL, & Radio Shack
Swap Tables
US Army MARS - LTC AL INOOCO AA4NQ
QCWA
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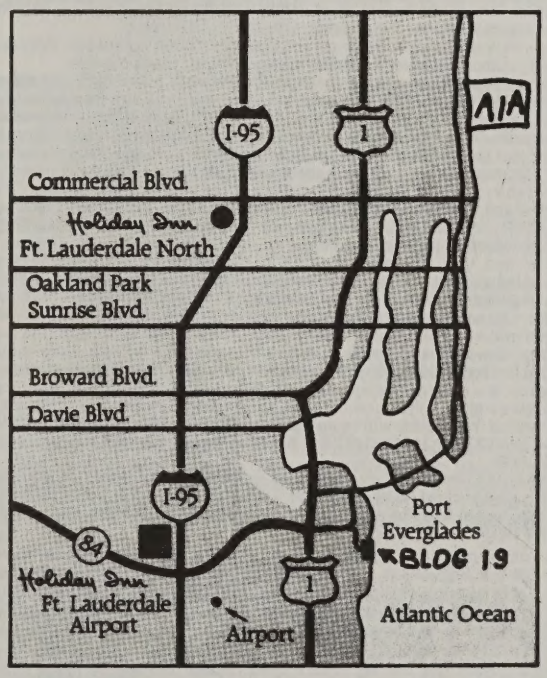
Earl Goldberg W40AS
5940 S.W. 16th Ct.
Plantation, FL 33317
Set up Friday at 6:00 p.m.

Donation: $4.00 Advanced per person, $5.00 at door includes both days, xyl's and children under 12 free.



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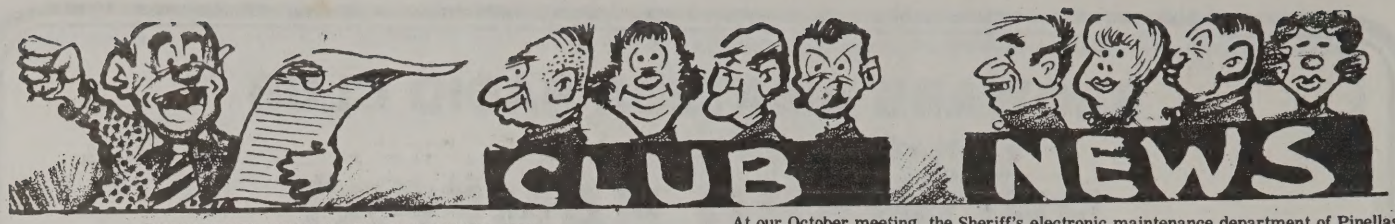
Hamfest Rates - $40.00 single/$40.00 double no charge for extra persons in same room. Mention Broward Hamfest!



PALM BEACH AMATEUR RADIO COUNCIL, INC.
By Ken Block, WD4KSO - Council Vice-President

This year, for the first time, the Council will be coordinating the activities at the Amateur Radio Booth at the South Florida Fair. The annual event has served to stir much interest in Amateur Radio. Vaughn, WB4UHB asked the Council to help this year since we are in touch with amateurs on a county-wide basis. The individuals and organizations such as the Palm Beach Repeater Assoc., West Palm Beach ARC, and the ARES Repeater Group have done a sterling job. Each year the booth looks better and we have more and more active participants manning the Fair display. The public is offered RADIOGRAMS to any point in the USA and literature is distributed luring interested persons further into the hobby. Contact committee chairman Sam Gordon for details.

The annual Leukemia Swim-A-Thon organized and chaired by Walt Peace, WD4IUD, was a huge success. The event helped raise $53,000.00 this year. We wish to congratulate Walt and his team members from all over the county. You all did an excellent job. These all day events are sometimes wearing and thankless. Your thanks lies in knowing tht the research continues and the victims will be helped because of your assistance. You all are a credit to ham radio.

Now that the big holiday season is almost here it's time to wish each and every one of you Merry Christmas, Happy New Year, Happy Channuka and if I left anyone out we send the Council's greetings to you too at this time of joy.

We must call your attention to a really noteworthy situation in Boca Raton.

Boca is known for its restrictive municipal ordinances. Some of those rules are admittedly appropriate. Some are not. Thanks to Bruce Silk, KD4GH, our South County Director and Chuck Ritchie, W4BUG EC for GCFMA, a very expensive and prohibitive decree by the Boca Raton City Commission, has been stalled or killed. The expense would have been to the Amateurs in Boca Raton. About $1,500.00 per tower in fees and engineering data, etc. alone not counting the cost of the tower itself. It seems Boca wanted to get rid of the TVRO dishes and the Tower restrictions were tagged on by an over-zealous attorney.

This kind of 'tower ordinance' can creep from one city to another as a 'good idea', felling amateur towers one by one. Fast action, careful planning and the correct presentation before the Boca Raton City Council tabled this . . . for now.

Florida Amateurs all owe Bruce and Chuck gratitude and thanks. They spoke up, letting the city authorities know Amateurs are verbal and carry a big vote.

Manny, W4SS, Council President and Jim, WD4BCC, County EC, spent some 30 hours at a statewide RED-CROSS disaster seminar held at the Palm Beach County Fairgrounds. Disaster Directors from all over Florida attended. Many of them sent messages home via ham radio. Something they have never done before. Many of them did not know Amateur Radio and the Red Cross have a standing agreement to provide disaster support. Manny and Jim made a presentation to the group explaining the naure of ham radio and how it works so well here in Palm Beach County as the vital link in a disaster. The participants worked and lived under simulated shelter conditions (including the food — yuck!). John, WA4FAP, and Ev, N4CXH, stopped by to lend their support, too. They should have brought Manny and Jim a Big-Mac.

Now that QST has made the OFFICIAL announcement to back up the SEC, Jim Townsend and SCM, Woody Huddleston (now retired) we can OFFICIALLY congratulate Jim Buchholz, WD4BCC as the Emergency COORDINATOR for ALL of Palm Beach County. As some of you know, Palm Beach County used to have two EC's. One for the communities in Palm Beach County around the big lake and one for the remainder of the County. Now the County is united under one leadership.

Charlie Davis, N4BBZ is at it again. This time he is installing a spectrum top-of-the-line repeater in a central location at about 300 feet. This new South Florida repeater will not only give regional VHF coverage but will be useful in an all out disaster. Only RACES designated frequencies will be on the air during an amateur black-out. This new repeater is on RACES pair 147.165/147.765. Charlie is president of the Jupiter-Tequesta Repeater Group, Inc.

The Gold Coast FM Assn. has a back-up repeater on 146.865/146.265. This long needed facility provides the South County with that extra margin of protection. We are all happy the FRC was able to find a 'pair' for the GCFMA. The repeater sounds great too. (PART II NEXT MONTH.)

TAMPA AMATEUR RADIO CLUB
By Cy Connolly, W4DVO

Sending this report in ahead of time. Last month's report took six (6) days, from Tampa to Miami Springs. Reminds me of the old book, "Slow freight train thru Arkansas". Thanks Andy for the extra work, making the deadline! Met John Bennett, K4ULI, just retired, after 35 years as Radio Officer at sea! Lives in Tampa and visited clubs! Bill Strenge, WA4UQN, moving to New Port Richey. Bill had so much junk at his Tampa home, gave the house to son so wouldn't have to move the surplus gear! That's one way of doing it!

Art, KA4WNZ, was busy, 10/30 at club, installing "Dummy Load", to main SW panel of Club transmitter for ease of handling. Dabney Perry, W4BDY, won 220 MC hand held rig at QCWA luncheon at Suncoast South Florida Section Convention, Sand Key, Clearwater. It couldn't have happened to a nicer guy. First met Dav in 1926, he was W4BDY then, without the "W". When ye scribe was "4IF", and had stn. with Powell Hunter 4TZ. Dab was student at Georgia Tech then. John, W3SAI, back from cruise to Mexico. Shortly after his recent trip to Alaska. John is our Traveling Publicity Rep!

Meeting tonight (11-1—82) will finalize details for Christmas Party location; date is December 6th. Frank, K4EUK, had recent visitor to house, daughter Frances from Miramar, Fla. "EA", NJ4O on trip to Md. and Del., via automobile, and expected back early November. Another traveling man. He visited the Rockies this summer! Meet the TARC net on 3743, on Thurs. 8 P.M. Last net had 6 club members there. Hope you have a nice Thanksgiving Day with plenty of turkey and all the trimmings. All for now. 73

CLEARWATER AMATEUR RADIO SOCIETY
By Eli Nannis, K4JMH

Many of our members were involved in Running the Suncoast ARRL Convention on Oct. 16, 17 and they all did a good job. The attendance was good and the weather excellent. A great deal of equipment changed hands with everyone getting a bargain. We hope to see you all back again next year.

At our October meeting, the Sheriff's electronic maintenance department of Pinellas County gave a very interesting talk with slides on their duties. They have a most sophisticated communications system and the maintenance is very difficult. They also explained the operation of the emergency phone number 911.

Our club has a repeater on 220 MHz and recently, a 2 meter repeater was put on the air. This new repeater put our treasury in the red and we are trying to raise money by running a raffle. We are selling 300 tickets for $10 per ticket. The prize is a complete station worth $1,500. The winning ticket will be drawn at our Christmas party on December 11th. If you want a ticket, contact our treasurer Lou, K4HWS. The $10 is tax deductible.

We welcome all to use our repeater on 145.43/down 600. Nellie WB4FVN is trustee and the club call is used. We will have the Sheriff's department back again at the November meeting with a talk on security. A nominating committee of Tom N4AIX, Jim W4DPH and Hal W4FOM will select candidates for officers in 1983. We will have a picnic at Taylor Park in Largo on Oct. 31st, and that is the day that the goblins and ghosts will be looking for victims but we will be careful. Plans are now being made for our Christmas party on Dec. 11th. Dave Stocky K4NE gave our Board of Directors a complete report on the Sheriff's Youth Ranch program. They would like our help in training the youths in amateur radio. They have a complete station set up at their headquarters near Live Oaks. Volunteers are badly needed to teach the youngsters how to become a ham. We are now negotiating with the Red Cross in Clearwater to set up a station at their headquarters. A 70 foot tower is ready to go up and a room for our station is now available. We welcomed a new member at the meeting, Jack W9EFI.

HOLLYWOOD AMATEUR RADIO CLUB, INC.
By Marie Snow, WA4KXQ

Members of the Hollywood Amateur Radio Club will hold their annual Holiday Banquet on Monday night, December 13 at the Knights of Pythias, Diamond Lodge 200, 2120 - 60th Terrace, Miramar. The program will include 1982 awards, installation of 1983 officers and the HARC traditional Yankee Auction.

With sadness HARC reports two Silent Keys in as many months: Fred Peters, WD4FCU on September 14 and Dick Totten, WA4CFA on October 24. They will be missed by their fellow Hams and the HARC organization.

The 1982 Home Brew Contest was won by Art Snow, WA4LLQ, for his Double Ducky Fox Finder. Second place honors went to Bro Les Dwyer, KA4B for his Coax Combo and Tom Middleton, WB4CKY was awarded third place for his I.D. Timer. Also participating were the following: Lee Ranger, KM4Y; Bob Patten, N4BP; and Marie Snow, WA4LLQ.

Happy Holidays to all from the HARC membership.

FLORIDORA YLS — 25TH ANNIVERSARY
By Cathy Soehl, W4BAV/ARNS

Saturday, Oct. 16th, found many Floridoras travelling to the Sheraton Sand Key Hotel, Clearwater Beach, to attend the Gulf Coast A.R. Convention and celebrate the Floridoras 25th Anniversary.

Our table was opposite the Registration Desk, with the "25th Anniversary" sign hung above our banner. It is impossible to name the numerous items for sale and donated by the members. There was everything from persimmons to the gorgeous stoneware, with 24K gold. The girls were kept busy and the treasury replenished considerably. Also many membes purchased the Floridora pins, from the new supply recently received.

At 2:00 P.M., we all gathered in Room 839 for our meeting and party. Business was kept at a minimum. It was voted to have 2 Floridora Nets, the original one meeting Tuesdays, 9 A.M., 3933 and those who meet Mondays, 9:30 A.M., 7285 (plus or minus); to be known as Floridora 40 Net. This gives all a chance as some do not have antennas for both frequencies. Hope those who can, will check in both Nets and is means of alliance.

W4HRC-Little Bo, who is gathering material for our History, gave facts gathered to date; listed the Charter Members and it was found we had 6 present: W4BWR, W4WPD, W4GXZ, W4HRC, W4UPT, and W4BAV.

There were a number of items raffled off, among which was a needlepoint purse, donated by W4BIL-Fran (our 1st President) and won by KA4MEW-Winona. WB4FVN-Nellie won a beautiful Macrame Plant Hanger, complete with potted plant. There were several door prizes: a silver relish dish, donated by K4JNC-Esther, was won by W4KZT-Lucile. KA4NEW-Winona's Daughter donated a lovely little mirror on the stoneware, decorated with handmade or antique lace and inlaided with 24K gold, which was won by W4BAV-Cathy much to her surprise and delight.

K4JNB-John, OM of K4JNC-Esther took many pictures, among which was one of W4GXZ-Blanche with the beautiful cake she baked. It was a sheet cake, with white icing, decorated in pink and blue. In the center, in blue, was "W4FE", the Club Station call. All enjoyed a piece of cake, with coffee, as the room buzzed with all the "yacking". Finally the time came when goodbyes had to be said; some heading home, others back to the Floridora table and later attending the LUAU Saturday evening.

Congratulations to the Floridoras for their 25 years of activity and may they continue to grow and celebrate many more years.

(Editor's Note: Florida Skip was born on the very same day at the very same Orlando Hamfest at "Rock Springs." Congratulations Floridora!)

DADE RADIO CLUB
P. O. Box 350045
Riverside Station
Miami, FL 33135
3rd Tuesday Museum of Science, 3280 S. Miami Ave., Miami, FL 33129
Sponsor of
TROPICAL HAMBOREE

Two happy hams. Allen Richter, W4PHL, Communications Coordinator for Palm Beach County (left) and Jim Buchholz, WD4BCC. Jim is now the Offical Emergency Coordinator for ALL Palm Beach County. Photo taken at recent special meeting at the American Red Cross Chapter. (Photo by KD4KSO.)

INDIAN RIVER AMATEUR RADIO CLUB
By Jim Kneeland, W4MFH

There were 61 persons in attendance at the October 26 meeting and there were enough chairs supplied so that each had a seat this time. Visitors were Harold Simon and Bob Lenertz.

Mr. Lenertz, a supervisor in the Long Lines department of Southern Bell presented a very interesting slide illustrated talk on the history of transatlantic communication via the under-sea cable, from its beginning in the early 1900s up to the present time where satellites are used sometimes in conjunction with the cable. He mentioned that a person making an overseas phone call these days would not actually know if his or her voice was traveling in outer space or under the seas.

His talk reminded me of the early days in TV broadcasting when a satellite was first used to relay a TV picture from Europe to the NBC facility in Radio City in New York City.

With those early "birds" there was not nearly the channel capability compared to today; therefore the video only would be routed to the satellite some 22 thousand miles out in space and relayed down to the receiving site in Andover, Maine, then via microwave to N.Y., a journey of some 45 thousand miles while the voice or sound portion would travel via the under-sea cable, a distance of about 4 thousand miles.

This would result in the sound arriving in the NBC transmission room in N.Y. BEFORE the picture showing the speaker's lips forming the words would arrive. This did present a problem for us, until one afternoon an engineer had a brain storm — The audio portion was fed into a tape recorder, the tape of which was actually an endless belt. The incoming audio was recorded as usual and by the use of an adjustable pick-up head that the engineer on duty was able to sslide either forward or back on the tape until he could see on the TV monitor that the lips and the voice of the announcer talking in Europe were synchronized.

During the meeting, there was MUCH discussion by club membes and a vote was finally taken and the club dues were raised from $5 to $8 per year starting in January 1983.

ORLANDO AMATEUR RADIO CLUB, INC.
By Bob Sutter, W3SOB

As usual the meeting was held on the third Thursday of the month of October at the Expo Center Hughey Street and Livingston, this is just off I-4. Attendance was good as many are now back from vacations. The 16/76 repeater will be under the call KD4JL/R and the 22/82 will be sending out the call, AI4U/R. The ATV repeater will continue to use W4PLB. Just to presvent anyone thinking they have the wrong call on the machine.

The October meeting featured a slide presentation and talk about all of our repeaters. Many who had no idea as to how much work goes into keeping the rigs on the air and where they are located were brought up to date. Some very interesting questions were asked.

Don Fisher, W4PLA was nominated and approved by the Directors of the Club to be our Ham-of-the-Month. He has done such an outstanding job on the ATV repeater. He and Dave Hall, W4TOD are the ones who keep the interest going.

The November meeting will be highlighted by a program given by Frank Rutter, K3AW. His program is known all over the U.S. The subject is antennas. He uses a 3GHz model to demonstrate his antenna theory. Sarah Clemens, KC4EO, Director reported that plans for the HAMCATION are shaping up and the Committee is doing a good job. The first adds for the event has been carried in the November SKIP.

FLORIDORA YLS
By Cathy Soehl, W4BAV/ARNS

WD8DLB-Kay had knee surgery Agu. 26th, at the Cleveland Clinic, for deterioration and arthritis. Latest news is that she now needs a new knee cap; still wears knee brace, but put aside the came. Will return to Fla. soon. Sorry, Kay, be looking for you.

N4EDP-Thelma passed her Extra Class License and is now WB4S. Also K4UPT-Catherine Dunlap up-graded and is now W4OMH. Congrats.

KA4MEW-Winona's Daughter-Jo Ann, runs the Wedge Pottery, 162 N. Parsons Ave., Brandon, making beautiful lace and gold stoneware. Floridoras appreciate the items she donated for our table at the Clearwater Convention. They are handbuilt from a slab of clay. Impressions are made with handmade or antique lace; decorated with leadfree glazes and highlighted with 24K gold fired in.

K8MZT-Shirley reports they sold their business, so relaxing a little. Get out of the "limbo" stage and come back to Fla., Folks!

K4UIZ—Evalyn, who was hospitalized for triple by-pass, glad to report is home, taking it easy and doing fine. Thanks all for cards.

WB4FVN-Nellie has trouble getting to Boy's Ranch, in Live Oak. As reported last month, she was going to their 25th Anniversary, stopped for gas in Brooksville, fuel pump hose broke, spraying gas on hot motor, causing fire. Left car for repairs, went on with another ham, pulling her little trailer. Back in business now.

W4GXZ-Blanche and OM, W4COW-Wes won an ICOM 2-meter handheld at Clearwater Convention. Congratulations and have fun!

Hope all had a Happy Thanksgiving and have a Merry Xmas!

ST. PETERSBURG AMATEUR RADIO CLUB
By Cathy Soehl, W4BAV/ARNS

W1MXT-Doc "top of Tampa", good to hear you checking in SPARC Net, but scurries off to the "Maniac Net". How about talking to us.

W4MAK-Henry won the $100.00 set up for a drawing, in appreciation of all the help rendered by those working on the Convention. Very good idea, K4IHH-Bob, who was in charge of Communications.

AA4MF-Cappy's YF-Ruth passed away; our heartfelt sympathy to you and family. Also Cappy hospitalized recently for surgery, but home and O.K. Take it easy, Cappy.

WD4APV-Wes and YF celebrated their 22nd wedding anniversary, so he bought her a motorcycle. Betcha' he is riding it.

WB4ZPU-Alice doing O.K. afte back surgery but had to miss the Boy's Ranch and Floridora, 25th Anniversary for both. Missed you!

K4JCN-Tom hospitalized with heart attack; had pacemaker installed recently. Hope you are feeling better, Tom.

WD4DRP-Lou's YF-Ruth received her license recently, with the call of WB4COW. Studying to up-grade quickly as does not like call.

K4SCL-Woody advises the Spectrum Repeater is being refurbished and being purchased by Fort Myers Club. Thanks WA4WKO-Hank for his help in making sale.

The 220 Repeater is working fine since installed on the Weedon Island Power Co. tower. Hear K5IHH-Bob lost several pounds running up and down the tower. SPARC appreciates being allowed to make the installation.

KA4MWM-Bernie is rebuilding his radio room, etc. Good luck.

Good to hear WB4LLN-Albert and WA4IIC-Dick checking in Net. Heard W4OHJ-Don is back, but have not heard him; where are you, Don?

FELLOWSHIP AMATEUR RADIO CLUB
By Zelma Shaw, WA4MKE

The Fellowship Amateur Radio Club met on Oct. 19 and had 64 members present. New member is John W4VNU. New members last month were KB4AIC Stephen, WB4HLJ Michael, WD4KYN Jim, KA4RYC Phyllis, N4GZO Elliott. Welcome to all.

Condolences are extended to WB4CLA Abe on the loss of his wife, Beryl. Also to K4RBR, Norm and his wife Carolyn, on the loss of her mother.

Happy greetings are offered to a Baby Girl born to KC4CW, Harvey and his wife. She was born on 10/24 and wieghed 8 lbs. The very best to all three.

Congratulations to KE4AW, Eli, on his acquisition of an amateur store, Harvey Crane's, on Route 84, Ft. Lauderdale. We all wish him every great success.

Lorraine, KC4IQ, and husband, N4EUP Quinton, vacationed at Epcot Center. They reported great weather and lots of sights.

With the coming of fall — and some 2-meter skip — that "Old Rascal" K4RNG, Les, has been zeroing in on 21-81 frequency to talk to his many chums in our area of Dade and Broward counties. Les lives at Clermont, FL. So marvelous to hear you, Les.

We're amazed at the strength of the stitches that hold together those designer jeans!

KNIGHTS OF THE KILOCYCLE
53rd Year
By John Witherspoon, W4GUJ

Hello everybody — this will be my first column for the Knights of the Kilocycle — so bear with me — it may get better or worse. I don't think it will be very hard to write a few lines becasue I will be writing about some of the finest Hams in the world. I have been associated with the K of KC off and on for about thirty years and know most of them.

I am going to need your help in order to make this strip worth reading, so please keep me informed about what you are doing so I can bring it to the other Hams — Knights or not.

I would like to say a few words about Phil, W4BCZ because he is such a dedicated person to Ham radio and to the K of KC. He is always there to help in any way and remembers how to do it the right way. The world and Ham Radio need a lot of people like Phil. He is there when you need him.

As this is being written here is the present order of the roll — one to twenty — W4TZ, W4DVR, WA4ZTY, W4BKC, W4JZV, W4BCZ, K4IXH, W4DNS, W4DDW, W4GUJ, WA4YHN, W4DTS, K4CMK, K4TF, K4YWK, WB4QPW, N4HBW, W4MDV, K4WR, W4AYD.

Please join us every Sunday morning at 7:30 A.M. on 3910 Khz for some very good fellowship and don't forget to let me know what's going on among the K of KC.

NORTHERN FLORIDA NEWS
By Billy Williams, N4UF
SCM Northern Florida ARRL

The West Volusia Amateur Radio Society has a new ARES/RACES Net which meets at 2345Z each Weds. on 147.51 MHz. Simplex. Contact EC WB4GHU for more information. The Halifax Chapter of QCWA recently received a banner from HQ in recognition of its recruiting over 50 members in less than two years! There was a RTTY demo at the October GCARC meeting with NE4E, WA4PHL, K54Q, WB4PEI and WA4L making the presentation.

The Coronado Wireless Assn. will operate from Christmas, Fla. on December 18-19th (1400 to 2200 Z each day) around 7.282, 14.282, 21,382 MHz. A special QSL is available for contacting this station which will be signing K4HML. Send SASE to P.O. Box 1; Edgewater, Fla. 32032. HCARA already busy planning for next year's FD. KB9LT named Chairman. Congratulations to K1BUM on the 5th anniversary of the Blurb, HCARA publication. OPARC provided communications for the Annual Orange Park Twilight Run. Assisting were WA4UJH, WB4MTA, WA4CWS, N4HGJ, WA4CQQ, N4GNP and KD4CG. N4FMN is now KF4GU. NE4I doing fine job as Managing Editor of MLMARS publication Keyed-Up. Feature editor is NS4K. Last issue had nice article on TV by AB6I.

Amateur Radio will be assisting in the 1983 Orlando Sentinel-Star Safari which is a Bicycle race traveling a distance of 410 miles through Lake, Orange, Sumter, Marion, Levy, Alachua, Columbia, Union, Hamilton, Suwannee, Gilchrist counties. The starting point is a campground near Monteverde and the path travels as far north as White Springs. Dates are April 4th through 9th and hams are needed to provide first aid and emergency communications. Over 1,000 bicyclists are expected to participate. We need some individuals and clubs in those counties to assist and cover parts of the route as the race moves through the section. For more information contact N4ADI (Affiliated Club Coordinator) or myself.

Opposition to the no code concept of amateur licensing is mounting and from my location, it looks like the negative response is twice as heavy as it was in 1975 when Docket 20282 proposed 5 types of no-code ticket. The FCC definitely wants no code amateur radio and wants it bad, so a big show of solidarity and opposition will be necessary. It's not too early to let the FCC know your feelings even though as this is written, there has been no formal number assigned to the proposal. Write now and then again later and urge your local hams to do the same.

With the holidays nearing, traffic loads will be multiplying and we will need extra help on Florida's traffic nets, especially in the form of extra NTS liaisons. The International Communications For Christ (ICFC) Net managed by Henry Fehrmann, N4EDQ, of Winter Park anticipates an extremely heavy load of missionary traffic to South America. If you would like to assist in this worthwhile endeavor of helping move missionary traffic, please contact Henry at P.O. Box 2151; Winter Park, Fla. 32790, to see how you can assist.

THE GATOR NET
By Walt, KF4U

Daily 0830 Local — 7090 Khz.

The Gator Net welcomes all stations. I would again mention that the 13 WPM speed required by your license is adequate for checking into GN and all NCS are expected to adjust to the speed of the receiving operator. so, please don't avoid us if you hear some faster code on the net. New to GN are Ric, N3BRT, Groveland, with some nice traffic for our totals, and Eric, K7LCA in Lauderdale. We like having Bill, K4ZK, drop in when he has a chance. My efforts to increase the number of stations available for NCS duty are bearing fruit. We add Joe, W4KLY to the list for November. Good luck Joe! All stations are requested to give the new NCS stations a break by not rushing them while they familiarize themselves with the routing and other details needed for this job. Congratulations to Phil ex-WD4HIF who is sporting a new call WF4X. Procedure note: Just a reminder that the prosign BT is used only at the beginning and end of the text and in no other place in the message.

There were 31 sessions for GN in October and 486 check-ins averaging over 15 per session. The QTC total was 347. A gold star goes to Mae W3CUL for 100% QNI. Also high on the QNI list were WA4EUY, WA4JDH, K4JI, K4TH and KB9LT, 30 each. KF4U 29, W4KLY 28, WF4X and W4DVO 25 each. N4FL 23 and W3IDO 21. NCS stations were KF4U 9 days, W4IYT and K4JI 5 days each. WF4X 4 days, N4ET 3 days, WD4AWN and W4NFK 2 each and W4DVO, 1 day. 73 & CU on GN!

FLORIDA PHONE TRAFFIC NET
By Don Fontaine, N4ET

3940 KHz — Daily 0700 EST

Returning to standard time has brought different band conditions on FPTN. The QRM is down — but now we can't read Harris, WA4JDH! At least not 100% of the time as we usually do. We're sure it is just temporary band quirks though.

On the good side of the time change — our sleepy ones can now check in on time and stay awake the entire session. Another plus is that new stations are coiming in, particularly on weekends. Doc, W4SME has returned for the winter from his vacation land in Maine. Welcome back, Doc.

Hy, W4IAD has had his QTH sold from underneath him so he is not able to check in 100% as he has done in the past. Good luck finding a home for your rig, Hy.

Another new call checked in late in October — WF4X. Turned out to be ex WD4HIF, Phil our North Florida STM. Congratulations, Phil. By the time this is published the Thanksgiving trafic will have been passed and the Christmas traffic will be starting. Gee, already?? I'm still paying for last year's holidays. Our SCM WA4PFK has sent out an invitation to all stations to submit station activity reports each month to him. We hope all FPTN members are doing so.

Our 100% check ins during October were: W4BCZ, W4BKC, K4BLM, W4DDW, WB4EYU, W4FOE, W4IAD, WA4JDH, WA4QXT, WB4TZR and WB4WYG. At 95%: WA4EIC, W4GUJ and WB4MPJ. 90%: WB4EXA, WB4SOU and KA4TTS. 85%: WB4ADL and WD4AWN. 80%: K4SJA and W4WYR. (Evelyn likes to sleep in on weekends.)

73 de N4ET

YOUR SAR — AND HOW TO COUNT TRAFFIC
By Dick Hill, WA4PFK,
SCM Southern Florida

October was a banner month for station activity reports — approximately a 140% increase over last month. The Ft. Myers Amateur Radio Club was responsible for about 50% of the total reports submitted — many thanks to all of you.

There are four categories for reporting your messages handled:

1) ORIGINATED — These are **third party originations** and this category is commonly misunderstood. The **only** messages counted in this category are those initially transmitted by your station **for someone other than yourself.** Messages which you send for yourself do not count as originated.

2) RECEIVED — All messages received at your station.

3) SENT — All messages transmitted from your station.

4) DELIVERED — Messages delivered to someone other than yourself. Delivery is an off the air function — usually by telephone, but occasionally in person or by mail.

You can see that some messages count twice — a message originated for a third party and then transmitted is counted as both originated and sent. A message received at your station and then delivered to someone also counts as two points. If you receive a message and later transmit it to another station, it counts both as received and sent.

Southern Florida amateurs may send their station activity reports to me via radiogram — I need to receive these by 10:30 P.M. the fifth of each month. Thanks and 73.

QFN
By Jan Jones, WD4AWN

October has shown an increase in all our totals. But this is still but a sampling of what November and December will be like. Totals for October were: QNI: 1212, QTC: 666, QND: 1696. High QNIs were: W4DL 63, KA4AMC 62, KB9LT 60 and W4KLY 59.

The SET exercise went well, considering the national exercise was held on a hamfest weekend. Thanks to those who helped represent QFN both weekends. Welcome to new checkins Fran, K4EUK, Dave, WD4MWR, Gif, WD4RIQ, Eric, K7LCA, Dick, K4VND, and Jim, NW4R plus some other new "Keys". . . welcome aboard gang!! Congrats to Phil (ex-WD4HIF) who now has what sounds like an incomplete call — WF4X! Might as well get used to it, although short calls are great on CW.

The Clearwater fest was nice as usual and we had a good turnout at the traffic breakfast. Thanks to Bill, K4ZK for being a most able host. The list he made up of all Florida traffic handlers was excellent. This must be a first? This is especially helpful when it comes to routing traffic and also for newcomers who don't get names and QTHs from the daily nets.

Guess Woody, K4SCL is enjoying his "retirement" from SCM'ing. Now poor Dick, WA4PFK inherits the headaches! We need to get Billy, N4UF on QFN again. Seems like he's forgotten us. . .I know it's not his CW — you should hear him on CW contests!!

So that's it for this month and remember, "Make QFN a part of your evening activity at 7 and/or 10 P.M. on 3651. CW, it's A-1."

TRAFFIC HOUNDS
By WA4PFK

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MANAGER
FMTN	1227	39.6	877	28.3	31	WB4AID
QFN	1212	18.9	666	10.4	64	WD4AWN
TPTN	888	26.9	418	12.7	33	KF4HA
FPTN	1174	37.9	389	12.5	31	WB4WYG
PEN	280	10.8	357	13.7	26	W4GPL
GN	486	15.7	347	11.2	31	KF4U
FAST	874	14.1	229	3.7	62	WD4HHH
NFPN	1088	35.1	226	7.3	31	KF4GZ
SEFTN	561	18.1	192	6.2	31	W4NFK
SVTN	584	18.8	145	4.7	31	KB4LB
SWFTN	868	33.4	131	5.0	26	KC4OT
MCEN (Martin)	133	14.7	75	8.3	9	K4ZK
FPON	587	18.9	74	2.4	31	WB4GCK
QFNS	233	7.5	58	1.9	31	WA4QXT
FMSN	337	10.9	53	1.7	31	W4ESH
VEN	325	10.5	32	1.0	31	N4PL
SPARC	925	29.8	31	1.0	31	K5IHH
SBEN	127	31.8	22	5.5	4	KD4SF
SERA	88	22.0	17	4.3	4	W8FKL
PBTN	435	21.8	12	.6	20	N4DVF
AIN	58	19.3	10	3.3	3	W4LVA
MCEN (Marion)	108	27.0	7	1.8	4	WD4RIQ
Lee ARES	105	26.3	6	1.5	4	WB2OUK
DEN	57	14.3	6	1.5	4	WB4HZK
PRVAN	33	8.3	2	.5	4	KE4DA
IATN	412	12.5	107	3.2	33	W4PPC

TOP TWENTY TRAFFICERS
By WA4PFK & N4UF

1.	N4EDQ	4538	11.	N4PL	317
2.	W3CUL	3069	12.	WA4QXT	289
3.	W3VR	672	13.	KB4LB	252
4.	WD4COL	577	14.	W4NFK	246
5.	WF4X	574	15.	K4SCL	243
6.	WA4PFK	431	16.	KE4DA	235
7.	VE3BSY	387	17.	WA4EYO	218
8.	K4ZK	384	18.	K41A	217
9.	W4GPL	364	19.	KF4HA	192
10.	WA4EIC	349	20.	WD4AWN	177

FLORIDA MIDDAY TRAFFIC NET
By Al Suhr, WB4AID

WOW! Another SET is now past and we thank all who participated. At last the powers that be are arranging to change the operation to blocks. We will really appreciate that change next year when it becomes effective. SET for FMTN, 1982 follows: This NTS Net has liaison with RN5D and D4RN; handled 7 Emergency + 33 Priority + 157 routine Test messages; Time in operations 8 hours: 57 minutes; Total traffic = 197; Number of different stations participating 191; stations checking in on emergency power = 29; Number of different NCS = 8; number of different NTS liaisons = 7. Adjusted Score for this event = 741. We wish to say "THANKS", again to those working with us on 1982 SET!

New members: WA4HUZ, Lew, Ft. Lauderdale; KE4XS, Brian, Sorrento; KM4N, Bill, Tallahassee; W4SME, Doc, Micco; W4DVR, Mac, Orlando. Welcome aboard and welcome back! The current FMTN Roll Call now shows 93 entries.

Elsewhere in this issue there appears a picture and list of Officers, NCS and NTS members of FMTN. The picture is not a people picture, rather one honoring the 25th year of activity by FMTN. In order to be fair to Andy Clark, W4IYT, and the Florida Skip crew so as not to use too much space, we'll cut this short for now. Thanks, Andy for always supporting FMTN during these many years.

FMTN meets daily at 1700 Z on 7247 kHz — the warm-up begins at about 11:00 A.M. EST (1600Z) where you can have early informals and general camaraderie.

TROPICAL PHONE TRAFFIC NET
By Karm McCabe, KF4HA

TPTN welcomed our migrating friends back to the net in October. W4SME, Doc, back from Maine and VE3BSY, back from Canada. Also, Stan has assumed 4RN duties on Thursday and Saturday.

Fred, AA4FG, and Herb, W4IRA, enjoyed vacations in the Carolinas and Mark, KY4U, returned home from vacation with the grandchildren in California.

Stations who have received Net Certificates in the past few months are; WF4X, K4TH, NW4R, KD4QZ, W4NFK, KA4KWW, WD4HBP, KF4HA, W4GUJ, and KC4FL. The requirements are checking in 10 or more times a month for a period of three months.

Net totals, reported this month, were all up from last month, mostly as a result of the SET held October 9 and 10. QNI-888, QTC-418, QND-949.

High Check-ins in October were: W4BCZ & KA4GUS 29, WA4TWD 28, W4GUJ & K4TH 27, WD4HBP 26, W4LLA 25, WD4MLQ & KF4HA 24, NY4E 23, K4EUK & KA4KWW 22, WB4ADL 21, WB4CDQ & WA4RLV 20.

TPTN meets daily at 2200 Z on 3940 kHz. Everyone welcome!

NORTHERN FLORIDA PHONE NET
By Jerry McCabe, KF4GZ

The NFPN moved its net time back with the time change. It now meets at 2330 Z. Good to hear our friends, VE3BSY, Stan and W4SME, Doc, who have returned from up north.

Congratulations to Phil, ex-WD4HIF, on his new call WF4X. Jim, WD4IUI, our new assistant net manager is out due to rig problems. Hurry back Jim, we miss hearing you.

NCS in October were: KA4DCD 2, N4EWF 9, KF4GZ 7, KF4HA 6, N4PL 4, and NS4V 3. QFN volunteers were KF4GZ, KB4T and WF4X. 31 sessions and a total of 1088 check-ins.

Outstanding QNI this month were: WB4ADL, W4AHI, N4BIM, K4BLM, N4BOY, NS4C, N4EWB, N4EWF, N4GGX, W4GUJ, KF4GZ, KF4HA, N4HRI, WD4HUZ, WB4MPJ, W4NUH, KM4O, NQ4P, N4PL, WA4PUO, WA4PUP, KC4XB, KC4ZF and WA4ZPR. We also had 20 new stations check-in this past month.

The Northern Florida Phone Net meets daily at 2330 on 3950 kHz.

FAA NETS

All Ex and present FAA amateurs are reminded of the following nets:

USA: Mondays, SSB, 14283, 11 AM EST, W7JHQ Mgr/NCS. Send him $1. with large SASE for Complete roster

FL: Sundays, SSB, 7272 kHz, 830AM

USA ex WBR: Mondays, SSB, 7230 kHz, 930 AM
Fridays, CW, 7023 kHz, 10AM and
Fridays SSB, 7230 kHz, 11 AM. Join 'em.

RF ANNOUNCING

RF PRODUCTS announces the addition of UHF to its existing line of 5/8 wavelength VHF telescopic gain antennas for hand-held transceivers. The new models are available with a type BNC connector in 10 MHz frequency segments for the 440-512 MHz band. The most popular of which are now in production along with the 144-174 and the 220-225 MHz versions. Typical gain is 6 dB (ref. 1/4 wave helical) or 3 dB (ref. 1/4 wave). Maximum gain and minimum VSWR is achieved by a tunable LC network. The antennas include a base spring to prevent whip damage to the telescopic radiator. Minimum bandwidth for 1.5:1 VSWR is 10 MHz with a maximum RF power rating of 5 watts. The maximum extended length with connector is 17 3/16" (435mm) and the collapsed length is 6 5/16" (160mm). The small collapsed length makes it ideal as a pocket carried accessory that can be quickly interchanged with the 1/4 wavelength primary antenna when additional T/R range is required. The operating frequency range for each model is identified by the color of the base spring cover. The model/frequency ranges available are as follows: 191-914 (440-450 Mhz), 191-954 (450-460 MHz), 191-964 (460-470 MHz), 191-974 (470-480 Mhz), 191-984 (480-490 MHz), 191-994 (490-500 MHz), 191-904 (500-512 MHz). Suggested list price for all models is $19.95 with dealer and OEM discounts available.

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Season's Greetings

"We Service What We Sell" "Hablamos Espanol"

QCWA STATE NEWS

Edited by Eli Nannis, K4JMH

The QCWA Board of Directors has been changed somewhat at the Nashville meeting. Max Arnold W4WHN resigned as Director and was named Secretary of QCWA for the unexpired term of Hugh Turnbull, W3ABC. Gerhard Jacoby DL3ME will fill the unexpired term of Max Arnold. Director Larry Harvey N6LY resigned and Wade Holland W4AZT was named to fill his unexpired term. Two new Chapters have joined QCWA. Wyoming Chapter 140 chartered Sept. 30, 1982 and HI-Plains Chapter 141 chartered Oct. 1, 1982. The keynote speaker at the Nashville meeting was Richard Smith, Chief of Field Operations Bureau, FCC. The QCWA Silent Key Memorial Fund was given a big push when the Nebraska Chapter presented a check for $2,500 to the fund and it pushed the fund over the $20,000 mark. The QCWA roster finally got out in the mail.

All chapter secretaries should check their membership in case some members may have let their national membership lapse. A new QCWA Handbook has been sent out to Presidents and Secretaries and they are asked to review it and make suggestions. On Jan. 1, 1983, a new dues structure will become effective.

New memberships and renewals will be accepted at HQ at the present rates if you get it in before Jan. 1st. President Stuart Meyer W2GHK has a nominating committee working on a slate of candidates for the 1983 elections. Stuart was the guest speaker at a QCWA meeting at the Boston Convention which I was able to attend. He spoke on the new communications law and how it effects the amateurs. I also attended the 10th anniversary meeting of the Suwannee Chapter on October 23rd. We all had a fine time. Many of the founders and the charter members attended. A big anniversary cake was cut up and each person got a piece. Wes Randles W4COW QCWA Treasurer was also there and President Hugh W4JOP kept things rolling.

SPACEPORT CHAPTER: Our chapter held its monthly meeting on Oct. 16th at Duff's Restaurant in Cocoa, Florida. Guy W4HVU reported that HQ prefers black and white photos for the QCWA NEWS. Joe Fearns fell off a ladder and could not attend and we hope that his injuries were not severe. Allen K4ILX gave the treasurer's report and we are still in the black. Dick W4OZC and XYL June W4PIK made a cruise to the Caribbean with their boat and enjoyed ham radio via the Wateway net on 7268 KHz phone and 7068 on CW. They had a fine time fishing, swimming and snorkling. Burke W4BKZ and XYL Beth went on a sailing trip off the coast of Maine which they enjoyed greatly. They gave us a talk on their trip. 37 members and guests attended the meeting and they all seemed to have a good time. The next meeting will be the 3rd Saturday in Nov.

—Reported by Charles Bunce K4KCN

EVERGLADES CHAPTER: Our chapter had its monthly meeting on Oct. 9th at the Sweden House in Fort Lauderdale. The visitors were KC8JJ, W2WXP and Martin DeMaso and XYL Lynn. A letter was read from John Sproat YB0ACL describing the living conditions in Indonesia where he is living at the present time. 51 members and guests were present at the meeting. Charles Baer W4ROA has been appointed Assistant Director of ARRL for Broward County and any input to ARRL may be directed to him. James Gundry W4JM from the Central Florida chapter is running for one of the new directors of QCWA and members were asked to sign a petition. Dave Talley W2PF reported that beginning Jan. 1, 1983 the dues will be increased to $25.00 for 3 years and life membership will be $125.00 but members may renew before the end of the year at the old rate. Five directors will be elected for a 2-year term and five will be elected for a one-year term so that five new Directors will be elected each year in order to have continuity in the future. Nominating petitions can be submitted until Feb. 1983. There will be a free flea market on Oct. 23 at the Motorola parking lot and also at the Broward Amateur Radio Club hamfest on Dec. 4th and 5th. Floyd NAFL was appointed Chairman of the nominating committee. Andy W4IYT played a tape from one of the old timers and suggested that a tape be made by the members of their experiences in radio and that these tapes be preserved for posterity.

—Reported by Ted Stern K4YY

GATOR CHAPTER: Fifty-five members and guests attended the Oct. 2nd meeting at Chief Charlie's in Clearwater. President Lou Weber K4HWS ran the meeting even though he has been out of the hospital recently for some surgery. The guest speaker was Rick Gardner, Senior Transmission Engineer of Florida Power Co. and he gave an interesting talk on lightning, and its effect on equip-

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ment. He answered a number of questions from the floor. Hal W4FOM was in and out of the hospital and feeling quite fit. Cappy AA4MF lost his wife recently after a long illness and then he was in an auto accident and is now in the hospital with a severe whip-lash and other injuries. Carl Rau W4FQU, a former member is now a silent key. Wes W4COW, Treasurer of QCWA gave a report on the QCWA convention in Nashville. Barry Goldwater K7UGA, was voted into the QCWA Hall of Fame and Herb Gleed W6FQ was voted the QCWA Man of the Year. The President selected a nominating committee of Harry W4DLL, Herb W4IRA and Ernie W1GJZ. Our elections come up every two years, however it was voted to amend the BY-LAWS so that the President and Vice President would be elected for one year with option of serving two years if they so desire. Gator, Pelican and Gulf Coast Chapters combined to run the QCWA activities at the Suncoast ARRL Convention in Clearwater on Oct. 16, 17th. We had a Sloshpitality suite, a QCWA booth manned by the 3 chapters and a QCWA luncheon. 169 persons attended the luncheon and the featured speakers were Ralph Barlow, Engineer in Charge Tampa area and Frank Butler W4FH, Director ARRL SE Division. by Eli Nannis K4JMH

SUWANEE CHAPTER: Our 10th anniversary meeting was held at the Holiday Inn, Silver Springs. The attendance was the second best in our history with 56 persons. We had at least two requests for membership forms. Some of our visitors were Wes Randles, W4COW the QCWA Treasurer, Eli K4JMH from Gator chapter and Bob Saulpaugh, AG3S who has just moved to the Ocala area. We are growing rapidly. Hugh, W4JOP our President led the meeting introductions and comments regarding our activities. George W4UKA reported his XYL Helen was improving in the hospital. Earl NF4O our V.P. was in Washington on church business. The highlight of the meeting was the report by Carl, K4WJ on the history of our chapter and the introduction of the six attending remaining founding members. Memories were made of those who have passed on. Two other chapters have risen from our chapters, and they are also growing. Buffet and fellowship were enjoyed by all. Our birthday cake wa graciously donated by Hugh JOP and XYL Connie, Thanks. (I had some and it was great.) Our Christmas meeting is to be on Dec. 11th to avoid the Holiday rush. Those coming bring a token gift.—Reported by Rowland Meeler, Secretary

PELICAN CHAPTER: Twenty-six members and guests attended our October meeting at the Sea Ketch Restaurant in St. Pete. We welcomed a new member, Frank Ambrose W4SFW and a 60 year certificate was presented to Ed Read WA1HCK by QCWA Treasurer Wes Randles W4COW. Wes gave a report on the QCWA National Convention in Nashville. Pres. Jack Mandel W4PLW appointed Art W4BK, Red WAPUZ and Mel W4GUH to the nominating committee to select candidates for officers in 1983. The election will be held at the December meeting. Dr. Mark Sarno gave us a very interesting talk on the effects of aging on eyesight and the new methods of treatment. Bill W4KC won 2 free tickets for the next luncheon meeting. We meet the 3rd Wednesday of each month at the Sea Ketch and are always open for new members as well as guests and out of town visitors.

—Reported by Harry Bloechle K4WP

CITRUS CHAPTER: The October meeting of the Citrus Chapter was again held at Duff's at Forrest City, on SR436 & SR434. Attendance is increasing with each meeting. It was voted to place a container on a table at every meeting and members will drop in change or bills for the scholarship fund. George W2IOE presented some persons who would like to serve us at the Orlando Hamcation QCWA luncheon. The cost is so high and so many people will not register in advance that we decided to have the luncheon at our meeting place, Duff's Restaurant. The cost will be low and we have a nice room to gather in. We expect to hold the luncheon on March 19th, time to be announced. Please make reservations for the Hamcation in advance and save $2.00. The next meeting will be held at Duff's on Nov. 20th. Bill W4PI is still not feeling well but we hope he will be back to normal soon. Plans are being made for the Christmas Party meeting on Dec. 18th. Don't forget our repeater on 147.825 input every Tuesday and Thursday at 7.00 P.M. W3SOB

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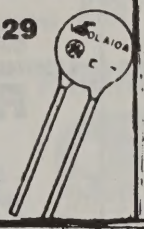

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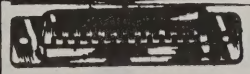

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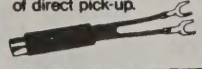

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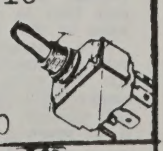

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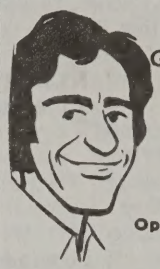

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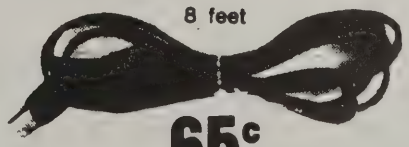

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QCWA EVERGLADES CHAPTER. Meets 2nd Sat. Sept thru April. Sweden House, 5550 N. Fed. Hwy., Ft. Lauderdale. Info: See Skip News column or call Roy McCarty W9KA, 305 731-4145.

QCWA FLORALA CHAPTER. Meets noon 2nd Sat. ea. month at Boulevard Rest., F.W.B. Pres. W5RHE, Sec-Treas. WD4FSC, Bob Miller, 319 22 St., Niceville. Net each Mon. 730 PM Cen. 28/88 repeater, W5RHE is NCS.

QCWA GATEWAY CHAPTER meets 3rd Sat. ea. mo. Uncle John's Pancake House, Beach Blvd., Jax. Info from: Charles "Walt" Walters W4HMO, 3658 Colebrooke Dr., Jacksonville, FL 32210 904 778-4000.

QCWA GATOR CHAPTER. Tampa Bay area. Meets 1st Sat. Noon at Chief Charlie's Restaurant, Gulf to Bay Blvd. on Rt. 60 Clearwater. Wkly net sat 930AM on 3920kHz. E. Nannis K4JMH, 14996 Imperial Pt. Dr. No., Largo, FL 33540. All welcome.

QCWA PELICAN CHAPTER meets 3rd Wed. Noon at Sea Ketch Restaurant in St. Petersburg. Net Sat. 10AM 3930 kHz. K4WP Sec. 5326 20 Ave. N. St. Petersburg, FL 33710. All welcome. Check into net for more details.

QCWA SOUTHEAST CHAPTER. Meets 3rd Sat. ea. Mo.at Noon. More info: W4KGJ 666-2058, W4KO 685-1963 or W4LGP 891-7692. We also welcome all OOTC and SOWP members anytime! !

QCWA SUNCOAST CHAPTER. From Tampa So. to Marco Isl. Meet at Davey's Locker, Rm of Windjammer Rest., 7100 S. Trail US 41, lst Wed. ea. mo. Oct. Thru May. Info: A. Hudson W4PJF 756-5792.

QCWA SUWANNEE CHAPTER. Meets 4th Sat. of even number months. Holiday A/C from Silv. Spgs. Net Sat. 7236 9AM. Pres. W4JOP, VP, NF4O, Sec-Tres. R. Medler W4ANN, 1041 NE 20 Ave. Gainesville, FL 32601.

QCWA TREASURE COAST CHAPTER. Chmn. Karl Gansler W4-PSG; Sec-Tres. Jerry Dewlt W3BL. Lunch, 2nd Thurs. Sheraton Regency, N. A1A, Vero Beach. Mail: Box 3088, Vero Beach 32960.

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8PM, 1st Fr., Red Cross Hq., 818-4th St., Mail: PO Box 4026, St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

SARASOTA AMATEUR RADIO ASSN., Inc. W4IE. Meets 3rd Tues. 8PM. Sarasota Co. Administration Ctr, US 301 & Ringling Blvd. 6th Floor lounge area.. Mail: Box 3182, Sarasota, FL 33578. Join us ! ! !

SILVER SPRINGS RADIO CLUB of Ocala. Meets 3rd Tues ea. mo. at Forest High School, 1614 SE Ft. King St., Ocala, 730PM. Net other Tues. 730PM on 146.610 - 600. Mail: Rosemarie Brenner KA4RWB, 5422 S. Eli Rd., Belleview, FL 32620.

SOCIDAD INTERNACIONAL DE RADIO AFICIONADOS, Inc. WB4-ESB & WB4ESB/R 147.90/.30. Mail Box 524071, Miami, Fl 33152. Tfc net 14300 Sat & Sun. 9-11AM. Emgcy net 14205 KHz & 147. 510. Info & drill net Tues 9PM thru repeater.

FLAMINGO NET. Meets Friday 730 PM, 29044 mHz. Monthly :ransmitter hunts. 30 years old. Informal net, all welcome. For nfo contact W4DWN, Sec./Tres., 305 895-0398.

SOCIETY OF WIRELESS PIONEERS. (SOWP) Edis on Chapter. Meet Sun. 2PM, 7053 kHz. Bill K4TF, CHOP. Info about SOWP: Bill Willmont K4TF, 1630 Venus St., Merritt Isl., FL 32952 or net.

SOUTH FLORIDA FM ASSN. WD4SFG/R 146.16/.76 & WD4BVO/R 146.40/147.00. Mail: P. O. Box 430025, Miami, FL 33143. Meets 2nd Mon., CD Hq., 5600 SW 87th Ave., Miami. All Welcome! !

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 730PM at Club House, Davis Isle, Columbia & Barbados. Mail: PO Box 10453, Tampa, FL 33679.

TAMPA BAY REPEATER ASSN. PO Box 24671, Tampa, 33623. Meets 2nd Tue. 730PM. Call in on 146.16/.76 for meeting place. 146.16/.76 Tampa; 146.39/.97 Largo; 147.705/.105 East Bay. Net meets ea. Thur. 730PM on 146.16/.76. Join us.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW, P. O. Box 6834, Southboro Station, W. Palm Bch, FL 33405. Meets 1st Wed. 730PM at 823 Newark St., W.P.B. Phone 967-1477.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB. Meets 4th Thur. ea. mo. 730PM at Community Center at Lake on W 54. Mail: 1312 - 13th St., Zephyrhills, FL 33599. Come & bring a friend.

ANOTHER SILENT KEY

Eric S. Kennard, N3BRT/4

It is with deep regret and sorrow that I announce the death of Howard Ficquette, K4CFX of Winter Garden, Florida.

Howard's knowledge of electronic added much to round table discussions in which he participated with members of the various clubs in Orange and Lake Counties. His inventiveness and ingenuity never ceased to amaze us. Designs and concepts that most of us only thought about would be put to actual use by Howard. Many ideas that none of us could have visualized were often built and put into working order by him. He never spoke a bad word about anyone and he will be greatly missed by those of us who have luckly enough to call him our friend.

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(Children under 12 Free When accompanied by registered adult.)

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$12.00 Two Days, thru February 1st
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$14.00 Two Days, after February 1st
$ 8.00 Saturday Only, after February 1st.
$ 7.00 Sunday Only, after February 1st.

Make checks for Registration Tickets and Swap Tables payable to Dade Radio Club and mail to: P.O. Box 350045-Riverside Station, Miami, Florida 33135.

FCC EXAMS

Exams for Extra, Advance, General and Technician Class licences will be conducted on Saturday, Feb. 5th. Send a completed 610 form with a notation under your signature on the form as follows: "For Miami Hamboree." The 610 form must be in the Miami FCC office by January 21. New FCC address is: Suite 203, Koger Bldg., 8675 N.W. 53 Street, Miami Fl. 33166. You will recieve an appointment card from FCC notifying you of the exam time. Bring this notification with you for admission to the exam area.

AWARD HIGHLIGHTS

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- Late Minute DX Tips
- DX Literature
- DXCC Check Point/W3AZD
- CQ Check Point/W4WJ
- A Look at DX South Florida Style

DX FORUM FOR THE NEW & TRUE DXER
- Lots of Info
- Antennas
- Propagation
- Other Tricks on Getting Thru Pileups
- "How's DX", Ellen White, W1YL/4
- Equipment
- Operating Tips

DX DINNER AT AIRPORT RAMADA INN
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- Guest Speaker, Vince Thompson, K5VT of 5H3VT, 9Q5VT, 9U5AV, S9JCT, TN8VT, etc.

DINNER MENU
- French Onion Soup
- Mixed Greens/choice of dressing
- Braised Swiss Steak Jardiniere
- Buttered Egg Noodles
- Green Peas and Mushrooms
- Rolls & Butter, Coffee or Tea
- Creme de Menthe Sundae

Dinner Tickets are $15.75 per person.
This dinner has been a SELL-OUT for the past three years, for GUARANTEED SEATING get your tickets by February 1st. Make check payable to South Florida DX Assn. and send to P.O. Box 4541, Margate, Fl. 33063. Further info on DX activities contact Joe 971-9733 (Brow. Co.), Larry 233-3492 (Dade Co.), Don 653-2000 (Dade & S.Brow.) OR call for info on SFDXA Repeater 147.93/33.

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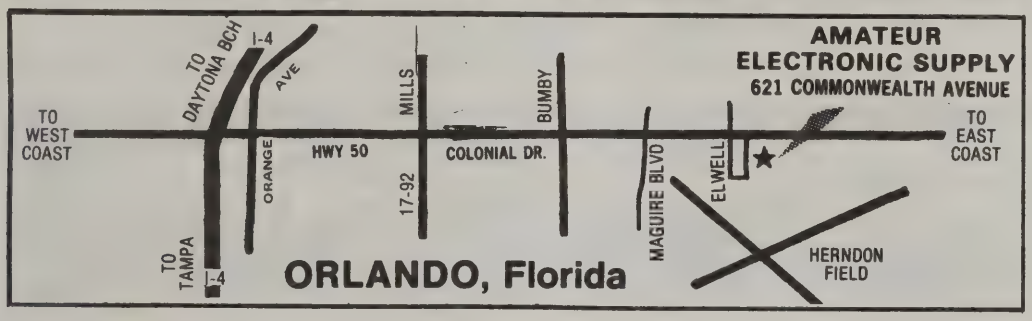

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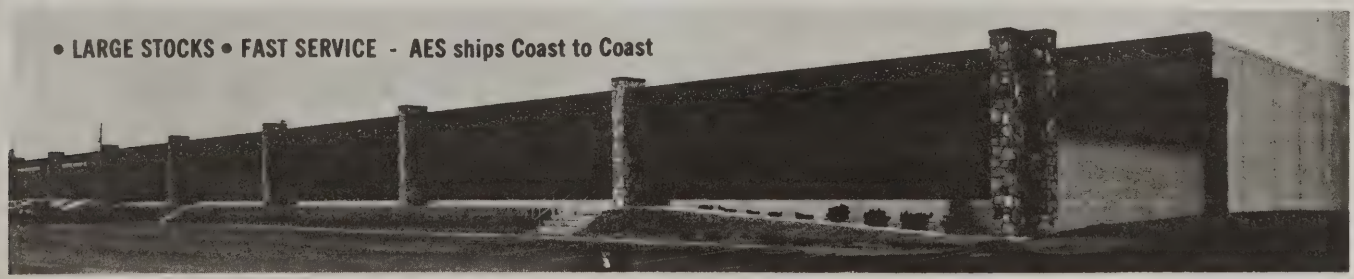

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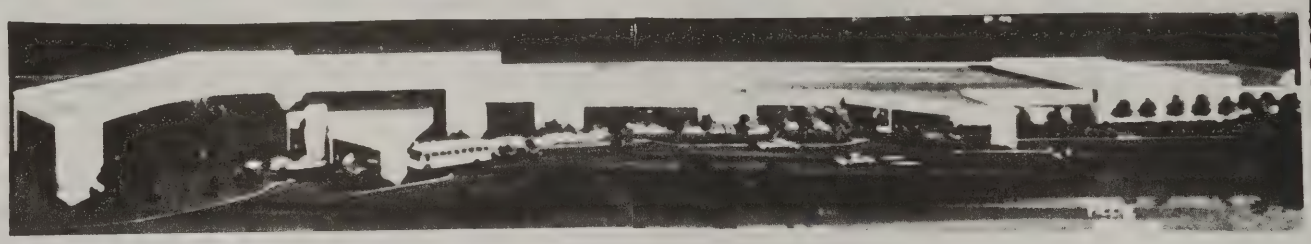

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CFO: The QRQ Experience

Barry G. Yoder, W8SJO/4*

If you have been tuning around the lower end of 40 or 20 Meters (7030/14.030+ or -) lately, you have probably heard some CFO stations rattling off QRQ CW and thought it to be RTTY or some other "machine talk", and tuned it off. Stop. Listen again. And again. Record it and keep on listening and you will probably find, as I have, a whole new world out there in electron-land called QRQ. (High-speed CW communication). A lot of hams involved in the QRQ are members of a rather "informal" group known as CHICKEN FAT OPERATORS (CFO). These folks rag-chew a lot and sound like a flock of chickens when the really get going as if using greased keys/keyboards; hence, CFO. . .

The group started about 4 years ago by W9TO Jim Ricks (CFO No. 1), and now has a "membership" of over 700. A lot of familiar folks are CFO: Bill Eitel W6UF, Vic Clark W4KFC, and others famous/infamous in radio circles.

One thing is found in CFO operations; most become familiar with the QRQ ability of the station working and they always try to push a little farther than they know the station can handle. That's the fun: CHALLENGE. I like to think that unless you come off a QSO without a little "brain-strain" and sense of accomplishment, it was simply a time-filler, regarding QRQ CW.

It takes a lot of listening and tape recording and plugging in the ear at bed-time to learn some QRQ (Nobody can ever really learn it, but we try), but when you get to the point that a 40 to 80 WPM QSO is within your ability, (whether you CAN or THINK YOU CAN) it feels almost as if your license has been re-issued! As a matter of fact, some amateurs are communicating at speeds over 100 WPM today! Before I go farther, notice I use the words "communicating" and "listening", mainly because we don't "put it down" "hard Copy" "millwork" etc., Etc. any more than you would "put down" a phone conversation. We rag-chew and QSK (full break in CW) a lot and quickly know whether or not it is a "one-way" QSO and if so usually QRS or request it. Keyboards are usually the norm after about 55 or 60 WPM. Several have told me (And many PROS) that above 60 manual keying is very difficult to HOLD. I see nothing wrong with using any means available to maintain good communication as long as the poor operator at the other end can make "Morse Sense" out of it instead of "Nonsense". Of course, real CFO does not mean Video Games reading; that's kinda like shooting the horse to get there.

So, if you want to challenge YOURSELF and enrich your CW savvy, get busy and join us; we're making CW FUN after the test!

By the way, CFO membership is obtained by working a CCFO station and that station nominating you. GL, CUL, 73.

P.O. Box 356, Cortez, FL 33522

RESERVE EARLY

The time has come to reserve the meeting room for your group for the Orlando Hamcation March 18, 19 and 20.

Please include your first and second choice of day and time. Only space and seats will be supplied — all other equipment such as screens, projectors, etc. must be supplied by the user.

First come, first served.
Richard MacLean, Sr., W4OZC
2581 Sheffield Avenue
Orlando, Florida 32806

A PET PEEVE

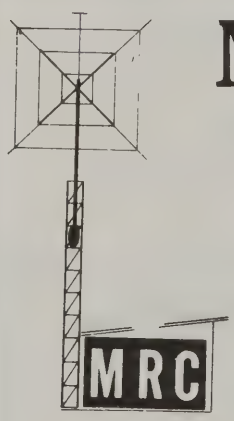
The SICK character that gets on top of ARRL code practice. He is not "getting even" with ARRL - only hurting the hams trying to improve their code or read a bulletin... Norm, WB4HZE.....

IT S A FACT

The most populous "ham" state, California, has more amateur Radio operators (55,000) than the next two states combined, New York (27,000) and Texas (24,000). (From SPARC tks.)

SPECIAL EVENT STATION

CHRISTMAS, FLORIDA: The Third Annual Coronado Wireless Assoc. Station K4HML from 1400-2200Z, December 18-19. Frequencies about 7,282, 14,282 & 21,382 MHz. A special QSL for SASE to: K4HML, P. O. Box 1, Edgewater, FL 32032.



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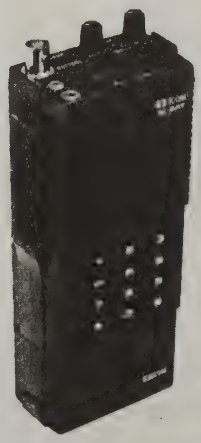

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(HR Report 7/10/81) TU

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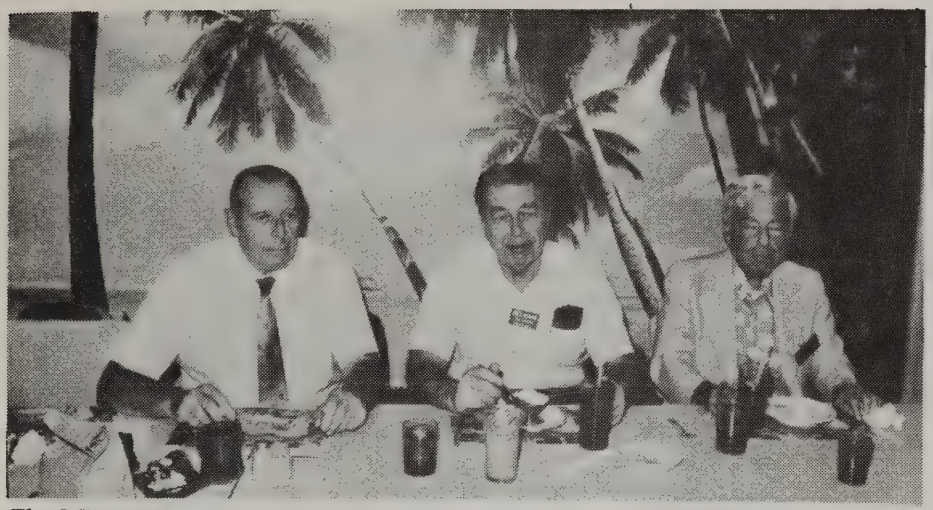

The S.E. Florida QCWA Chapter, was honored to have as it guest speaker, Stu Myers, W2GHK (Center). Stu is National President of QCWA. He presented an excellent program, showing slides of many early day equipment. He also filled everyone in on upcoming plans of National QCWA projects. Also present at head table: Glen Roof, W4KO, SE Chapter Pres (R) and Dave Talley, W2PF/4, Charter member of QCWA now living in Bal Harbour, FL. (Photo by W4JVR with thanks.)

QUADS TOWERS. TOWERS QUADS

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NORTHERN FLORIDA NEWS SCHEDULE OF RESULTS

Field Day results were published in November QST and they show the following results for Florida:

1st	W4IZ	North Florida Amateur Radio Society	3,692 QSOs	7A	11,332 Points
2nd	AJ4L	Lake Monroe Amateur Radio Society	3,299 QSOs	5A	10,218 Points
3rd	N4BP	Guano Reef Bashful Perverts	1,170 QSOs	1A Bat	9,585 Points
4th	W4HAW	West Palm Beach Amateur Radio Club	3,323 QSOs	6A	9,184 Points
5th	AF4Z	Platinum Coast Amateur Radio Society	2,779 QSOs	3A	8,840 Points
6th	N4SA	Central Florida DX Assn.	2,283 QSOs	3A	8,452 Points
7th	KD4VW	Silver Springs Radio Club	2,604 QSOs	9A	8,132 Points
8th	W4PLB	Orlando Amateur Radio Club	2,509 QSOs	5A	7,912 Points
9th	WA4LZR	Motorola Amateur Radio Club	1,857 QSOs	3A	6,198 Points
10th	ND4E	Fellowship Amateur Radio Club	,864 QSOs	2A Bat	5,955 Points

1982 Field Day Champs.....
CONGRATULATIONS NOFARS

It looks like W4IZ wins the Florida Skip FD multi-xmtr. category and N4BP the single xmtr. race. Trophies will be presented at the Tropical Hamboree in Miami by Skip Editor Andy Clark, W4IYT,

4th ANNUAL

SARASOTA HAMFEST

Saturday Sunday January 15 & 16 1983

ADVANCE TICKETS $3.00 . . . AT THE DOOR $4.00

EXHIBITION HALL, 801 N. Tamiami Trail (U.S. 41), Sarasota, Florida

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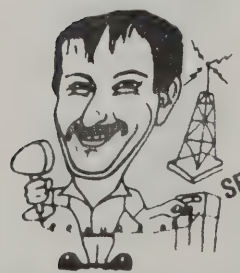
- Memory Backup Supply
- Automatic Antenna Tuner

WB4RFC



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ARMY MARS
THIS ATRICLE, YA GOTTA READ!
By Dick, AAR4PP

The name of the article is, "The Reality of Reflected Power". It's by Walter Maxwell, W2DU. You'll find it in an upcoming edition of QST.

W2DU's professional credentials in radio, antennas, and electronics in general can't be summarized in a column this size. Settle for this: more than 30 earth-orbiting spacecraft, including Echo I and II TIROS-ESSA weather satellites, carry antenna systems designed by W2DU. Walt's also an ARRL Technical Advisor (TA) for antennas and transmission lines.

Through lectures, and his well-known series of articles in QST on antennas, SWR, and line matching, entitled "Another Look at Reflections," Walt has for years tried to disabuse Hams of the following misconceptions: (1) That reflected power in an antenna system cooks finals, makes you sterile, causes RFI, is wasted, or other nonsense, and (2) that reflected power is reactive or fictitious. Although more detail appears in his earlier articles, his refresher article in QST will give you all the ammunition you will ever need to shoot down myth (2).

Here's an inadequate summary of what Walter has been teaching at ARRL conventions and club meetings:

— A low-loss transmission line, mismatched at the antenna, acts only as an impedence transformer with slightly higher loss than if matched.

— When a transmitter is properly coupled to the low-loss feedline (coax or open-wire), that "conjugate coupling" — pi-network, antenna tuner, you name it — acts as a **one way street**, providing a match for waves traveling from the transmitter to the antenna, but a totally reflecting mismatch for waves reflected back toward the transmitter by the mismatched load.

— Any such matching can be performed at the transmitter's end of the feedline, after which all power fed into the line (minus that lost in line attenuation) is accepted into the antenna — regardless of load mismatch, SWR, or what you may have read somewhere else.

READ

(Walt explains these points in detail, plus more, in QST for 4, 6, 8, 10/1973; 4, 12/1974; 8/1976 and 11/1981, P. 47. Incidentally, these articles are the basis for John Haerle's, "The Easy Way," that we spotlighted in **SKIP'S** August Army MARS column.)

Walter's wisdom should resolve worries of MARS members who have to tune outside of the band edges. And it should save all kinds of Hams all kinds of expense for umpteen runs of coax up their towers. (See QST, 12/74, P. 12.)

NAVY MARINE CORPS MARS
By Lee R. Moore, NNN0GAL 8
Information Officer

If you're a traffic man, then the Navy-Marine Corps MARS program in Florida is the place to be.

Thousands of messages from across the nation and around the world pour in the Florida Area each year from servicemen and women and civilian personnel. This also includes families of the service people.

Navy-Marine Corps MARS gets a lion's share of this work. The messages can be as routine as telling a mother her son has arrived safely at Parris Island, S.C., for Marine boot camp. Or they can be as important as telling a serviceman he is the "proud father of a baby boy born, etc."

Then, too, it could be as comforting as a message from a homesick serviceman half-way round the world that he is "thinking about his mother" at Christmas.

Regardless of the hundreds of times you telephone a message to a lonely mother during the holiday season, the event always brings a "lump in your throat" to the most seasoned "old salt."

Interested in CW, SSB, RTTY, phone patches from ships at sea or slaw scan television?

We've got it all. And MARS will help you get started with proper training and will assist you in getting specialized equipment if it is needed.

So if traffic's your game, give the Navy-Marine Corps MARS group a thought.

This could be one of the most rewarding Christmas holiday seasons in your "ham history."

November was anniversary month for MARS. The effort originally was called the Military Radio System. It began in 1948 under the direction of the Army and the Air Force. The Navy began in 1963 with a joint Navy-Marine Corps system.

Today hundreds of hams throughout the U.S. participate in one or the other MARS efforts. MARS plays a vital link in the overseas communication system between service personnel and their families and friends at home.

Barbara Noonan, whose amateur call is WD4PBA, is the new second in command of the Florida Area Navy-Marine Corps MARS system. She lives in Inverness and is an official with the Sumpter Cooperative Electric Co.

Computers are becoming a way of life in this country and MARS is taking to them like a duck returning to water.

Now computers are being used in Navy-Marine Corps MARS to keep membership records, participation reports and records of equipment provided to members.

These computers have taken hours and hours out of routine recordkeeping and given time to these keepers to participate on the daily nets.

Three new members recently joined the ranks of Florida Area Navy MARS. They are Kathryn R. Murphy, KA4IMA and Gerry L. Murphy, KF4S, both of Jacksonville, and Edwin L. Schaff, KR6N of Leisure City.

If you want additional information about the Navy-Marine Corps MARS program in Florida, write Mr. Lee R. Moore, 857 N. Garfield Ave., DeLand, FL 32720.

SPECIAL EVENT STATION

Flamingo, Florida: Everglades ARC will operate W4SVI between 1300 UTC September 4, and 2200 UTC December 5, 1982, to celebrate the 35th anniversary of the dedication of Everglades National Park. Frequencies: 10 kHz up from the lower edges of the 40 to 10 meter General Class phone bands, and 146.52 MHz. Certificates for QSL and large S.A.S.E. to: W4SVI, c/o Dick Dowst, WB4HZK, Everglades ARC, 14511 S.W. 287th Street, Leisure City, FL 33033.

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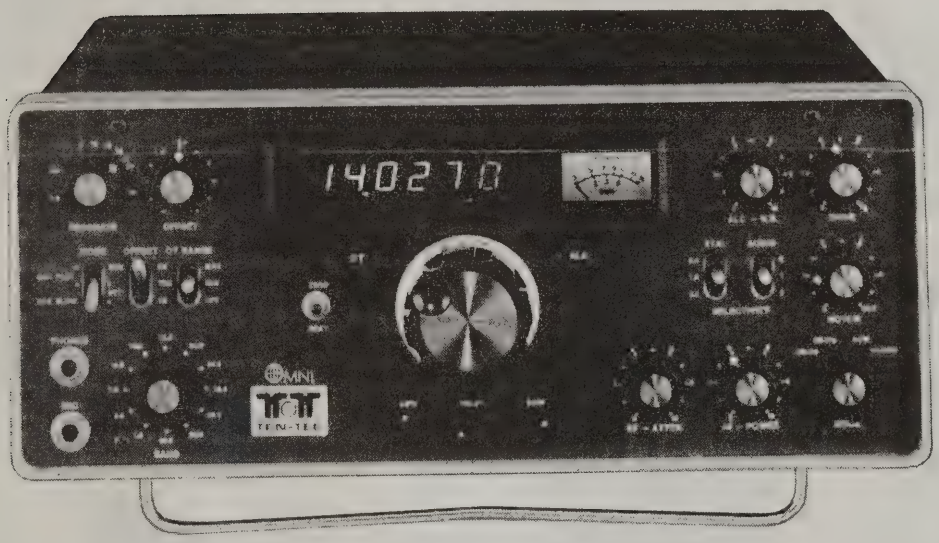

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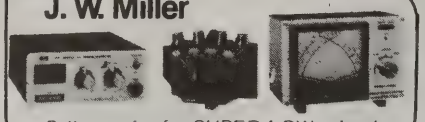

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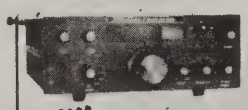

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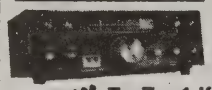

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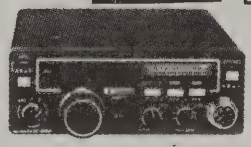

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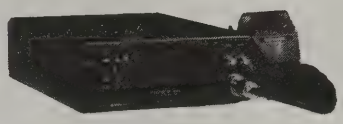

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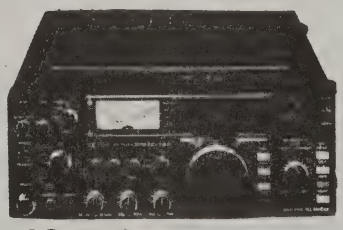

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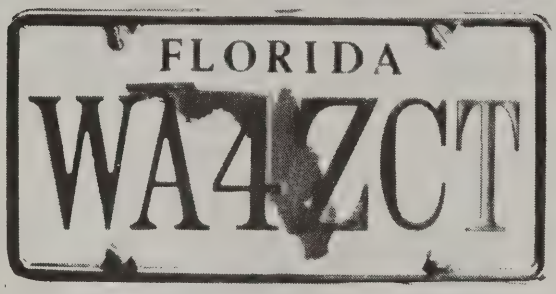

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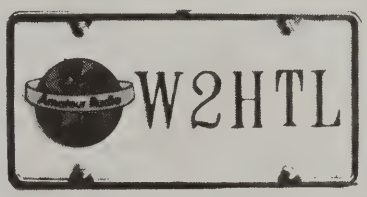

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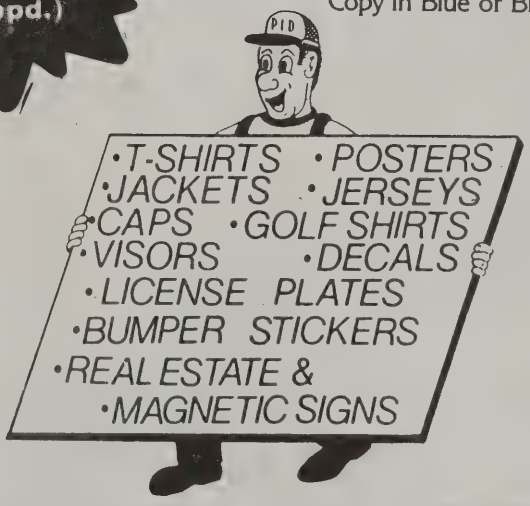

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THE VHFers ROOST

Conducted by Peter S. Heins, K1FHM/4
19570 S.W. 264 St., Homestead, FL. 33031

Operating news for December are greatly abbreviated due to two reasons: only K4KJP has sent me any news and I have not had much time to be on the air recently. In view of this, I'll devote much of my column this month to a discussion of VHF/UFH tropospheric ducting and publish the rest of the paper in later months as space allows.

Remember that the Institute of Electrical and Electronic Engineers (IEEE) "GLOBCOM 82" Conference will be held at the Sheraton Bal Harbour Hotel from 29 Nov. until 02 Dec. The amateur session will be held from 6:30 P.M. until 9:30 P.M. on 02 Dec. For additional information on the FREE amateur sessions, please see ads in Oct. and Nov. "Florida Skip."

KA4BLN in the Panhandle recently became active with an IC-502 three watt 6 Meter SSB/CW rig and has worked 22 states with just the built-in whip or an indoor dipole; when conditions are good on 6 meters, it just does not take much power to be heard at great distance! Another station has just joined the ranks of 1296 Mhz operators in Florida; KL7JGI/4 is presently utilizing a 1 watt rig (transverter) with a 40 element array. As of this writing, he has worked both W4ODW and K4KJP. Just to the west of Pensacola, WB2LLB/4 is about to become operational from Mobile, AL; hopefully, his 23 cm signals will be heard by some of the Orlando stations later during the winter tropo season.

The following discussion was presented initially by K1FJM/4 at the New England VHF Conference at Boxboro, MA on 16 May 1981, and is presented here so that Florida VHF and UHF operators may gain a bit more knowledge of tropospheric propagation in order to predict openings and to hopefully clear up a few misconceptions about enhanced propagation. This paper is by no means complete, certainly will not answer every question that the serious operator may raise, but also discusses some frontal effects rarely observed in Florida. Because it will take a few months to present the discussion, I will include my primary references now so that you may do more scholarly reading in the near future.

PRIMARY TROPOSPHERIC DUCTING REFERENCES

1. "Notes on UHF DX Work", Ross A. Hull, "QST", Dec. 1934.
2. "Mass Conditions and the Bending of Ultra-High Frequency Waves", Ross A. Hull, "QST" June 1925.
3. "Air-Wave Bending of Ultra-High Frequency Waves", Ross A. Hull, "QST", May and July 1937.
4. "Painless Prediction of 2 Meter Band Openings", W. F. Hoisington, "QST", Oct. 1949.
5. "Upper Air Conditions For Two Meter DX", James S. Collier, "QST", Sept. 1955.
6. "Radio Meteorology", B. R. Bean & E. J. Dutton, N.B.S. Monograph 92, U.S. Government Printing Office, Mar. 1966.
7. "Tropospheric Duct Communications", Victor R. Frank, "Ham Radio", Oct. 1969.
8. "RSGB VHF-UHF Manual, 3rd Edition", Chapter 2, London, 1976.
9. "Effects of the Troposphere on Radio Communications", Martin P. M. Hall, Peter Peregrinus, Ltd., London/NYC, 1979.

TEXT

Although tropospheric ducting and other enhanced tropospheric propagation have been utilized and recognized by amateurs for over 45 years, not too many of us are familiar with their causes. In 1934, Ross Hull, Associate Editor of "QST", writing on the 56 mhz path from Hartford, CT to Boston, MA (about 150 miles), stated that "there is obvious correlation between transmission conditions and weather. Signals were soon found to have the habit of climbing to extraordinary heights immediately prior to the arrival of stormy and rainy weather, falling after the storm, and returning gradually as conditions again became unsettled. A preliminary guess is that high relative humidity is required to permit the best communications on a long indirect parth." By 1935, Hull's tropo studies had shown that "a layer of moist, warm tropical air overrunning a shallow layer of dry cold polar air" usually produced higher than normal signal levels.

Bill Hoisington, W2BAV/K1CLL, wrote a "QST" article in 1949 which was partially correct when he stated that "pronounced high pressure of 30.10 inches or over always will bring improved conditions on 144 mhz." This is true sometimes, but water vapor content of the air mass is the most important detriment for enhanced propagation or ducting to exist as will be shown in a later issue.

Other writers suggest that a mackerel sky or nimbo-cirrus clouds are a visual indicator of enhanced propagation. Most of us have thought that very calm conditions with fog observed help long distance propagation, but actually propagation through fog alone is poorer than without.

(TO BE CONTINUED NEXT MONTH)

HAMFEST UPDATE

The latest report on the 1982 Melbourne Hamfest shows that this was one of the best ever in the way of attendance and income. Ticket sales of 2189 plus booth rentals resulted in revenues of $11,548.00, less expenses of approximately $5,200.00. Result in an income of $6,300.00. (From PARC Bulletin.)

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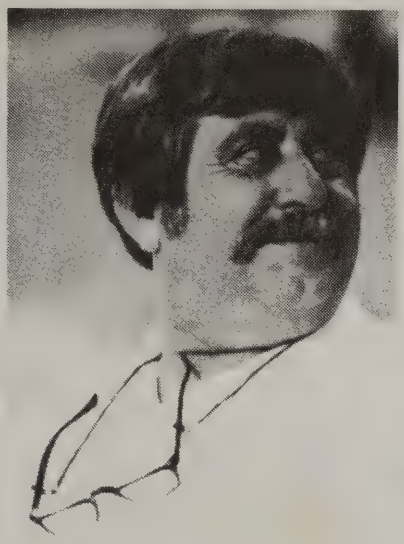

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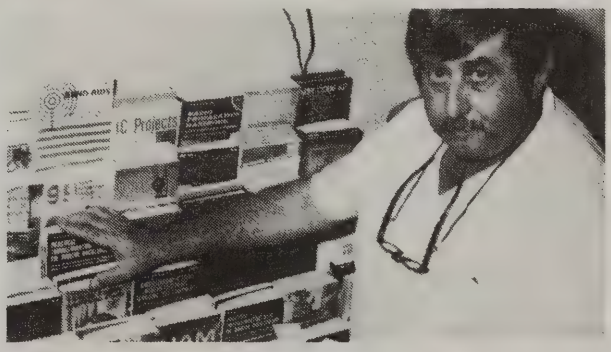

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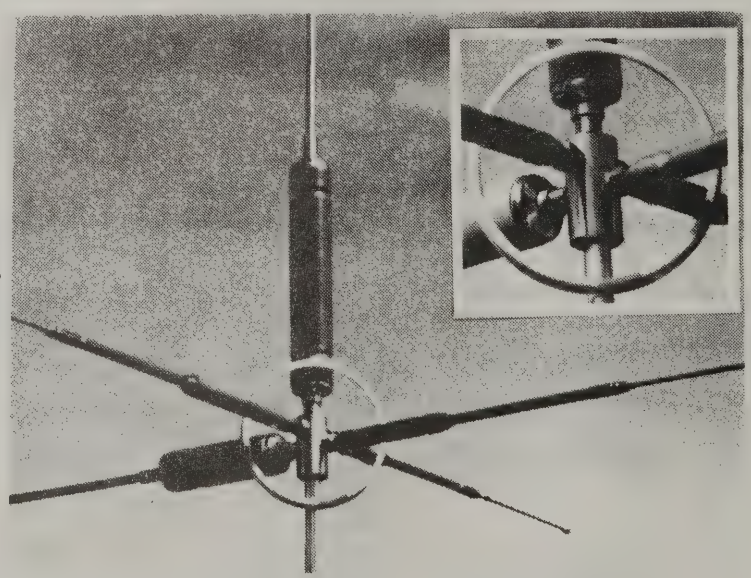

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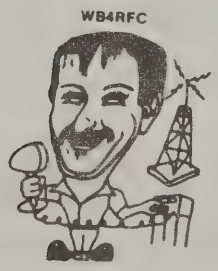

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RATE CARD INFO. HAMBAR service of electronic equipment ONLY is available to all subscribers, amateurs and non-amateur at the rate of 5 cents per word, which includes address, call sign, etc. Minimum charge for any HAMBAR is $2. All commercial and non-subscribers rate is 10 cents per word. Minimum charge of $3. for each HAMBAR. No reruns. Each HAMBAR must be resubmitted each month. No ad will be published unless accompanied by full remittance! We require all HAMBAR ads contain full mailing address, call sign and the ZIP, Area/phone number, if any. Make it EASY for person wanting to buy YOUR equipment. No HAMBARs via telephone! Commercial display, full page $78.75, Half Page $49.75, 1/4 page $32.75 and 1/8 page $21.75, CAMERA READY. Lay-out, make-up, type-set fee is extra according to size of ad and type-set required for same. DEADLINE for all Hambars and ads, 8th of each month in P. O. Box 501, Miami Springs, FL 33166. Normal mailing date 25th of each month. Thank you for your cooperation. Editor.

FOR SALE: Mint TS-520S with CW filter and front end mods DG-5 and remote VFO-520 with manuals and original cartons $585. Xitek SCT-100 video board in homebrew enclosure with PS and manual and cables $100. Xitek MRS-100 CW/RTTY transceiver manual and plugs $100. JE-610 ASCII keyboard operational and interfaces with SCT-100 manual $50. Central Electronics 200V, manual and spare pair finals 175W broadband no tuning - SSB/CW/FSK/AFSK $200. ERC SL-55 audio filter updated $30. VHF SWR meter HM-2102 calibrated with manual $40. TH3Jr. -Hy-Gain Tri-Band beam-like new, manual $100. Realistic Optimus I speakers in cabinets (100W) $120. pair. Dr. W. R. "Doc" Staples, W4SME, P. O. Box 2202, Sebastian, FL 32958 or call 305-589-6750.

SELL COLLECTION OF 2000 NEW RECEIVING TUBES. Including hard to find only $1.00 each. Send list of your needs for availability. Melton Levy W5QJT, P. O. Box 13151, El Paso, TX 79912.

FOR SALE: Henry 1KD-5 amplifier brand new, never used $499. MFJ-941 antenna tuner 300 watts. $59. MFJ-981 antenna tuner 3kW $179. Hustler 15M resonator in factory sealed package $9. KLM Echo 70 432 CW/SSB Xcvr $229. Parks 2 meter preamp $9. Parks 432 converter, 26 mHz IF $9. Parks HF-UHF freq. marker $9. WANTED: Remote VFO for TS - 820. Bev Cavender W4ZD, P. O. Box 1083, Lake Placid, FL 33852 Area 813: Res 465-2638; Ofc: 465-4451.

SELL: EZ-WAY 40 ft. galvanized crankup tower, swivel-hinged base, roof edge bracket and boom-winch for lay down. With Hy-Gain TH3-MK3 tri-band and 9 element 2 meter antennas, new rotor, all cables included $650. SB-200 5-band linear amplifier $375. Virg Meador (no call given) 6635 SW 46 St., Miami, Fl 33155 305 661-8043.

SELL: ICOM 720 HF transceiver with PS-15 power supply and SP-3 speaker. Mint condition. Sell for $925. Ron Parsell WB4IVM, Rt. 2 Box 217-F, fernandina Beach, FL 32034 904 261-8111.

WANTED: Johnson 6-inch spreader insulators for open-wire type antennas. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: Super keyboard MFJ-496 $200. Kantronics Mini-reader $195. Hallicrafters S-107 receiver $45. Art Rauch, W4VZ, 10950 SW 105 Ave., Miami, FL 33176 305 274-9709.

SELL: Hammarlund HQ-110C, Knight T-60 Xmtr, slinkey antenna - low pass filter - D-104, Telex 600 earphones/mike - triplet VOM, nicad charger QST's - tape recorders, SASE for details. Bill O'Connell, 240 - 6th Ave. N., St. Petersburg, FL 33701.

WANTED: More black & white station/operator photos. Any size. Sorry unable to use color. EDITOR Florida Skip, Box 501, Miami Spgs 33166.

Sell: Motorola Nautilus 440 VHF Marine radio with all US chnls, synthesized. Mint condx Cost $349, Sell for $200. Ron Parsell, Rt. 2 Bxo 217F, Fernandia Beach, FL 32034.

ESTATE SALE: Two 12 inch J-4 patio weather-proof outdoor speakers $20. in orig. box. Cost double that...115-to-115 VAC, 500 W. isolation Xfmr. $8. All plus UPS. c/o A. Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: YAESU FT-101E, matching speaker, manual $500. Dentron GLA-1000 linear amp. $225. Shure 444 mike $30. MFJ Versa tuner J941B $50. All with manuals and original boxes. Kantronics Mini code reader, manual, excellent aid for learning c.w. $175. T-282/MD-141 VHF, 225 MHz transmitter and matching 115 VAC power supply. Final has par of 4X150s with blower. Receiver and transmitter uses tuned cavities. Rcvr is Xtal. Very nice condition, with manuals. Cost government a mint, only $50, for both. Bud Miller KA4AIK, 902 Nightingale, Miami Springs, FL 33166 305 887-7655.

WANTED: M.F. HTs in range of 47 MHz to be used by Red Cross Disaster Action Teams, during emergencies. Must be reasonable. Robin Aronson, American Red Cross, 5020 Biscayne Blvd., Miami, FL 33137 305 576-4600.

SALE: Base or mobile two (2) Hammarlund FM-50-A, 147 to 174 MHz Xcvrs. Both on 146.940. With mikes, 12V and 115 VAC built-in power supplies. Cables and manuals. Output 35 wts on 117 VAC or 30 W on 12 VDC or 20 W. on 6VDC. All tues. NO TRANSISTORS! They are black and measure 8H X 13 W X 8" D with carry handle. $60 for the pair plus UPS or pick-up. A. C. Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874 after 6 p.m. only please or week-ends.

FOR SALE: DRAKE HW-7 SWR/watt meter, Just purchased new, used in three transmissions. Cost $114.45. My price $90. Ed Pipple WB4OKH, 525 Elizabeth Pl., Daytona Beach, FL 32019 904 767-5974.

RUMBER IS ONE THING THAT GETS THICKER AS YOU SPREAD IT.

FOR SALE: Hard line 75 ohm foam 3/4 inch plus 1/16 inch outer vinal jacket. Forty cents per foot. Minimum 50 feet. Six hundred foot available. Pick up only. Frank Lester W4AMJ, 1915 Illinois Ave., Englewood, FL 33533 813 474-5697.

FOR SALE: YAESU 301 with external VFO, power supply and speaker, A.M. filter $575. National NC-300 national NC-301 with external spkr and 2 meter converter, 2 Johnson ranger transmitters, 3 Johnson Kilowatt desk amplifiers, 1 for parts, 2 wiring harnesses. Best offer. George Hagan, Rt. 4, Box 2448, Arcadia, FL 33821 813 494-5589.

SALE: AEA-MBA-RO; code and RTTY reader (32 letter read out) brand new in original factory box. Last offer $225. Firm. Gene Stern KC4FA, 3666 Coral Way, Miami, FL 33145 9 to 5 305 445-7336.

BEST OFFER -- Collins KWS1, exciter and linear with matching 75A-4 receiver. Novice rig: Viking Adventurer transmitter and Realistic DX-150 receiver. Lester Dwyer KA4B, Daytime 305 989-5150, 500 Chaminade Dr., Hollywood, FL 33021.

SELL: 40 ft. triangular, galvanized, steel tower $225. Mike Miller, Sr., 18-510 NW 5 Ave., Miami, FL 33169 305 652-7521.

FOR SALE: DRAKE TR-5 with noise blanker, like new $650. C.D. Parker K4DUI, R8 Box 3656, Hudson, FL 33568 813 868-3077.

WANTED: Crank up tilt over tower. FOR SALE: SWAN phone patch, Dentron power meter. Blair C. Madsen W4KXP, 5800 SW 36 Terr.. Ft. Lauderdale, FL 33312 305 981-4226.

FOR SALE: Heathkit automobile ignition analyzer model 10-20 tube - type oscilloscope. Complete test of primary and secondary ignition systems, manual shows test and diagnosis chart patterns, excellent condition. Uses six tubes plus I have eight spare tubes $50. SWAN MARK II 2 Kw PEP amplifier 80-10 meters with power supply and manual one owner, excellent condition low time on 3-500Z's original cartons $425. Bill Fanning ND4P, 2710 Sunnybrook Rd., Jacksonville, FL 32216 904 - 641-3440.

WANTED: Want to purchase, transceiver 80 thru 10 meters, SSB, etc. Send price and information to: John Richbourg KB4CRK, Rt. 3 Box 126, Monticello, FL 32344.

FOR SALE: National NCX-3 80-40-2- meter rig, P.S., mike, Hy-Gain 18-V ant. Palomar 500 watt SWR meter. All in good working order with manuals. Will take offers. All for only $200. Ken Newman KB4BJM, 2118 S. Venus St., Tampa, FL 33609 813 875-2587.

SELL: TRITON IV with noise blanker, 10 meter crystals and audio filter. Companion 262G power supply with VoX and spkr. $275. Dick McIntyre K4BNI, 611 Coral Dr., Cape Coral, FL 33904 813 542-8586.

FOR SALE: HAL ST-6 DS-2000 and EMS Video monitor $585. Guice W. Johnson WA4LHO, 150 Crescent Dr., Punta Gorda, FL 33950 813 - 639-2530.

WANTED: Round emblem Collins 30L1 or 30S1 and 312B5. Must be in mint condition. Don Gies K4GIT, Holiday Mobile Estates, 325 3rd St., Hallandale, FL 33009 Call days 305 625-0461 after 6pm 305 987-2767.

FOR SALE: DRAKE L4B (with 10 meters) orig. owner, little use, mint condx with dust covers, included $750. Will deliver in Orlando or S.E. Fla. area. Don NY4F, 4799 S.E. Rocky Point Way, Stuart, FL 33494 305 283-3789.

TOO MANY FAILURES ARE TRACED TO LACK OF PERSISTANCE AND NOT LACK OF TALLENT OR ABILITY.....

FOR SALE: YAESU FT227RB, 2 meter transceiver, 5 memories, 10 watts with instruction manual plus YM-22 touch tone microphone. Mint condition. $200. Jorge Gutierrez KA4OTU, 4387 N.W. 10th St., Apt. 7, Miami, FL 33126 305 444-1149.

FOR SALE: ICOM IC-21 with 14 sets of crystals, manual, AC and DC cords $100. ICOM 230 with Heath PS $100. Guice W. Johnson WA4LHO 150 Crescent Dr., Punta Gorda, FL 33950 813 639-2530.

FOR SALE: E Z WAY 60 ft. crank up tower, motorized with Ham M rotator, Cushcraft tri-band beam. Pick up only. Price negotiable. Hal Sillman K4SCT, Box 4706, Hollywood, FL 33083. No phone, please write. Give your phone number, I will call.

WANTED: Your excess teletypewriter parts, unused. FOR SALE: Teletype parts, paper, tape, gears, toroids, M 28 ASR and Ros ready to go, reasonable! Also Telex TWX, M.40 VDT, M.43 KSR, etc. TYPETRONICS, Box 8873, Ft. Lauderdale, FL 33310. Fred Schmidt N4TT 305 583-1340.

COMPUTER - A REAL BARGAIN ! ! TRS-80 16K model III with green screen, lots of great software, anti-glare filter, computer grade cassette recorder (with interface cable) dust cover, amplifier for voice and sound. (keep reading, you wont beleive the rest) Epson MX-80 printer and interface cable. Entire system in almost new! Must sell to buy new ham gear. Now, here this the best part! ! ALL GOES FOR (are you ready¾) $1095. (no checks - no tax.) Alan Wolfe WB4DYU, 12956 SW 50th St., Miami, FL 33175 305 552-0881 or 221-0797.

FOR SALE: RF Signal generator, Hickock Mod. 295X. 125 kHz to 175 MHz of fundamentals, to 350 MHz on harmonics. Microvolt metered output, with operating manual $135. Model 28 TTY manuals, Prin. of Oper. $5. Parts $6. Tech manual $23. All for $30. Capacitance-resistance analyzer, 1pF to 2000uF, 2.5 ohm to 25 meg, insulation resistance 100 ohm to 20,000 meg, with operating manual $23. Heath Impedance bridge -L-C, R, turns ratio, with operating manual $23. Heath capacitance checker with manual $15. Leeds & Northrup precision potentimeter with oak case $75. Leeds & Northrup light beak galvanometer $15. Dave Burger, WB4MDY, 10030 SW 102 Ave-Road, Miami, FL 33176 305 596-4426.

SELL: Kenwood R599R, T599D, MC50 and speaker, very good condition $375. H. Linnert K3TTJ, 13592 87th Ave. North, Seminole, FL 33542 813 391-0376.

SELL: ICOM 701 $425, IC-2025 $140, Kenwood TR-9130 TT mic $350. TR-2400 and accessories $250. Tempo S-4T $175, FMH-42 $175. JVC CR 6300U Umatic video recorder with remote $750. L. Connelly (no call given), P.O. Box 1164, Palm Beach, FL 33480 305 842-1861.

SELL: Hewlett Packard and Tektronix Oscilloscope plugins. Also large list of other electronic lab test equipment. S.A.S.E. for list. C.S. T. Carter II, W4NHC, P.O. Box 3177 Indialantic, FL 32903 305 727-3015.

COMPLETE COLLINS station: 75S-3B, 32S-3 with power supply, 312-4 station control, and microphone. Excellent condition. Call Allan Heilman K4SQM at 813 442-8526, 305 Eastleigh Dr., Belleair, FL 33516.

SELL: PANASONIC RF-4900 FM/Am, 8 SW-10 band receiver, digital frequency readout with 5 digit display, ac/dc, 1.6 - 30 MHz, FET RF circuit, antenna trimmer, BPO pitch control, RF gain control, tuning meter, two speed tuning. $250. with original carton, 6 months new. T. Grahm, 1212 Milan Ave., Coral Gables, FL 33134 305 446-3103.

FOR SALE: Mite printer KSR 115, TR-33 7 xtals $80. 202B FM sig gen. $25. BC-348 rcvr $50. Alliance Tenna rotor $25. Shure mike No. 51 $15. Ed Anderson W8DUW, 644 Flamingo, Apollo Beach, FL 813 645-1747.

FOR SALE: DIAWA CNA-1001 automatic antenna tuner, direct reading SWR/power meter and dummy load built in, 8 bands (WARC) mint condition $275. Bill Hauser WA4ZSB, 2435 Alexander Dr., Titusville, FL 32-780 305 267-4089.

SELL: ATLAS 210X with N.B. and 220CS AC power supply, mobile mount, Hustler ant. system for 10, 15, 20 and 40 meters. Low operating time. Mint condx. $395. Swan Cygnet 270 transceiver $225. Matching 1200X linear amp $175. Both in good condx. Ray Davis N4GUK, 800 SE 5th Ct., Deerfield Beach, FL 33441 305 428-0461.

INSTEAD OF USING "BREAK - BREAK", SHOULDN'T THE GALS SAY "BUST - BUST." . . W9DSO

WANTED: Usable DSI 5500 frequency counter or schematic diagram of same. Jim Campbell W8DGO, 4160 Byron, Titusville, FL 32780 305 - 267-5970.

FOR SALE: ATB-34, four element Cushcraft beam antenna with Ham M III rotor. Also reflectometer, SWR bridge. No reaonable offer refused if you pick up. Svend Gormsen W4SZ, 1536 Del Webb Blvd., Sun City Center, FL 33570 813 634-2305.

SELL: RTTY HAL CWR685, teleprinter with keyboard $600. Yaesu FT-101B with extras $350. Hatachi VT-7500A VHS portable videorecorder with tuner-timer $600. Communications power CP-300 SSB-11 meters with speaker-power supply $150. L. Connell (no call given) P O Box 1164 Palm Beach, FK 33480 305 842-1861.

SELL: HAMMARLUND HQ-170A receiver $50. FOB. E.W. Klein, W4GC, 717 - 91st Ave. North, Naples, FL 33940 813 597-4621.

MINCING YOUR WORDS MAKES IT EASIER IF YOU HAVE TO EAT THEM LATER. KA4ENZ

FOR SALE: Do you really want to work DX? How does 293 countries and 184 WAZ zones in the last three years sound? Wilson System One tribander, 4 working elements on 26 foot boom, $100. TELREX 2 meter 8 element beam, model 2M814 , brand new in box $60. KLM 160 meter vertical $60. Bird 100 watt slug, 100-250 MHz $20. NRI Advanced amateur Radio Course, over 30 booklets, takes you thru extra class $20. 1982 US and DX Callbooks $7. each. Kantronics RTTY/morse Mini-reader with power supply $100. UPS extra. Mike Raskin K4KUZ, 561 W. Tropical Way, Plantation, FL 33317 305 583-4026.

SPECIAL ANNOUNCEMENT: CHRISTMAS, FLORIDA: 3rd Annual Coronado Wireless Assoc. station K4HML from 1400-2200Z Dec. 18-19. Frequencies about 7282, 14282 and 21382 MHz. SPECIAL QSL for SASE to: K4HML, P.O. Box 1, Edgewater, FL 32032.

FOR SALE: YAESU FT-101B transceiver $450. Dentron 160-10 L amp. $400. Dentron 3kW super super antenna tuner $120. MFJ 752 $30.00. Frank Hegedus WA4JWW, P.O. Box 518, Lutz, FL 33549-0518 813 - 949-7161.

PLEASE NOTE: ALL HAMBARS ARE $2.00 MINIMUM– 5 cents A WORD OVER FORTY WORDS. SEE RATE CARD INFO AT BEGINNING OF HAMBAR SECTION FOR DETAILS ON ALL ADS. THANK....

FOR SALE: DOW KEY 115 v.a.c. coaxal switch mounted. $10. 400 feet, 72 ohm TV coax, brand new in box, white $35. Antenna insoulators by LAPP 5½ " long 400 Lb test $1. each 9½" long 600 Lb test $1. each. A. Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

PLEASE DON'T FORGET: Our HAMBAR deadline is the 8th of each month. This means, your ad MUST be in Box 501 by the 8th. DO NOT CALL editors home with HAMBARS or last minute changes. We WILL NOT accept them! All HAMBARS received after the 8th will be held for the following month. Thanks for your cooperation and consideration ! ! Editor.

ESTATE SALE: DTdx. 400 Yaesu with LP filter, speaker, Shure 444 $335. Katsumi keyer with monitor $30. B&W 590G in deep cabinet $20. New boxed Heath items ID-1590 weather station $80. HD-15 phone patch $40. MC Jones 634L 150W 0-3000 MHz load $90. Micromatch 262 SWR meter $30. Rohn HBX-40 tower $120. Ham - II CD-44 rotor with brake $40. Ed Roller K4IA, PO Box 894, Punta Gorda, FL 33951 813 639-3981.

FOR SALE: TRS80 interface for TTY33 or similar serial printer. Will convert your serial printer to a look alike parallel printer responding to all computer command - cheap print for only $55.00 George Collins, PO Box 2826, Largo, FL 813 526-9743.

SELL: CUSHCRAFT 11 elements 2 meter, 20 amps power supply, Alliance U-100 rotor & control all cables / complete package $150. Firm! ! ! Can be sold separately. Luis Bardino KB4BC, 174 E. 10th St., Hialeah, FL 33010 305 888-6137 Pffoce 691-9121.

SIGN IN A LOST ANGELES DEPARTMENT STORE...FOUR SANTA CLAUSES — NO WAITING.

FOR SALE: Panasonic color video camera model PK802. Two months old. Zoom, fade, character generator, many other features. $725. Phonemate, remote model 800AC $100. Daniel Bazo N4AGU, 13397 SW 11 Lane, Miami, FL 33184 305 226-0869.

FOR SALE: YAESU FL101 Xmitter - all options, compantion to FT-101/FR101, new in carton with LO pass filter and mike, all for $295.00. Yaesu matching phone patch and speaker, will consider trade on 2 meter gear. Yaesu or Kenwood offers. George Collins WD4PSK, PO Box 2826, Largo, FL 813 526-9743.

WANTED: FOR DONATION: Heathkit amateur novice and amateur general study courses, send to Macedonian Missionary Service, P.O. Box 1116, Lakeland, FL 33802 or call KE4DA, Lynn 773-3344.

SELL: ICOM 551D-80 watt 6 meter transceiver with 3 element beam $500. B. Miller N4EFQ, 9910 Collins Ave., Bal Harbour, FL 33154 305-866-8917.

SIGN ON A CHRISTMASS-TREE LOT ACROSS THE STREET FROM SEVERAL POSH SHOPS IN TROY' MICH. FIRS BY FREDERICK...AT A GAS STATIONS'" "SEASON'S GREASINGS". . . . . .

FOR SALE: IC-701 with power supply, desk mic, exterion terminal, landliner phone patch, and RM-2 remote controller $600. MLA-2500 linear amplifier 160-10 meters $600. Kantronics mini-reader $150. All mint condition with owner manuals. Chris Linden WD4CCL, 331 Sinbad Ave., Opa-Locka, FL 33054 305 681-1251.

MUST SELL: 2 meter Tempo CL126, 16-76, 685-085, 645-045, 13-73, 12-channel capacity $75. Shure 444D almost new $35. 11-meter, 31 ft. Wilson 12 elements $100. Lynn Raburn KE4DA, 207 Park Dr., Wauchula, FL 33873 813 773-3344.

SELL: YAESU FT-101EE, CW filter, FV101B $560. Herb Combs W4KEB 1216 Charlotte, Jensen Beach, FL 33457 305 344-6617.

TALK IS CHEAP BECAUSE THE SUPPLY IS ALWAYS GREATER THAN THE DEMAND. . . . . K1GGP/4. . . . . .

FOR SALE: 80 thru 10 meter Hallicrafters SX-101 Mark III a selectable side band receiver with c.w. notch filter with manual and speaker. Ideal for Novice or all band operator, asking $225. plus shipping charges. Mike Wasicko WB4FSC, 5373 - 6th Place So., Gulfport, FL 33707 813 321-8184 after 6 pm please.

FOR SALE: DIAWA RF-440 $89. Drake WH-7 $85. AZDEN P C S - 2000 $195. TRS-80 16K level II, late model with pad $650. TRS-80 quick printer $100. Everything like new condition. Jim Standafer K8HEY, 610 Big Tree Road, S. Daytona, FL 32019 904 788-8886.

SELL: Complete Kenwood 520SE station. Includes DG-5 digital display, remote VFO, AT-200 tuner, SP52 speaker, MC-50 mike, all manuals and original cartons. 24 hour digital clock. All this sits on custom made formica and brass desk 43" W X 48" H X 20" D. $700. Takes all. Will sell desk seperately $100. FOB WBP. Interested in Atlas 210X or comperable solid state mobile rig. Will negociate trade. Peter Blais KA4DRM, 4731 Holiday Circle, West Palm Beach, FL 33406 305 965-1113.

PROGRESS ALWAYS INVOLVES RISKS, YOU CAN'T STEAL SECOND BASE AND KEEP YOUR FOOT ON FIRST. . . . . Ka4ENZ. . . .

SELL: Hallicrafters 2 meter AM transceiver for a.c. or d.c. model SR-42 with manual and crystals $45. Ameco 2 and 6 meter AM transmitter, mod. TX-62 and matching VFO 621, manuals included $60. Carl Seidier KE4VE, 1830 Festivo Dr., Holiday, FL 33590 813 934-2903.

FOR SALE: CODE PRACTICE TAPES: ARRL 7 1/2 & 10 WPM. 73 code course 13 and 20 WPM. Ameco code course lesson 11 thru 22 (two sides). All above only $4.00 each plus $1.00 postage. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874 after 6 pm please!!

SUFFERING IS ONE OF THE FEW EXPERIENCES IN LIFE THAT DOESN'T WEAR A MASK. . . . . W4FWI . . . . . .

FOR SALE: YAESU FT-901-DM transceiver, mint condition, incl. 500 Hz CW filter, owners and service manual. Make resonable offer. Fred Van Aalst WD4RAF, 1921 NW 41 St., Oakland Park, FL (no ZIP given) 305 733-7222.

WANTED: TEN TEC PM3A, good condition, with manual. Harry Blouke K4WP, 5326 20 Ave. N., St. Petersburg, FL 33710 813 321-4620.

SELL: MINT C LINE Drakes, cables, manuals, R4C $325. T4XC $325. MS4/W PS $100. Etek digital L counter $115. Sell $800, will not split. Bill Perry WB4MQD, Box 1146, Clewiston, FL 33440 813 983-9429. No Collect calls, Have another complete station.

FOR SALE: TS-520S W/CW filter, mint. Ralph Rodriguez, KC4KU, 2846 SW 32 Ave., Miami, FL 33133 All for $500. (no phone given).

FOR SALE: ICOM IC245 2-meter all mode transceiver with ICOM IC-RM-2 microprocessor, mint condition. Will also sell separately. Fred Van Aslst, WD4RAF, 1921 NW 41 St., Oakland Park, FL (No ZIP given) 305 733-7222.

SELL: ROHN 30 ft tower, Mosley Classic 33 beam, Ham-M rotator, package deal only, no shipping. You disassemble and haul away $250. E. Friedlander, 7481 SW 18 St., Plantation, FL 33317 305 791-7481.

NEED used tri-baam, 10,15, 20 meters for field and camper. Would like used tower with Rotor, 20 or 30 ft. for house permanently erected. Bill Perry, WB4MQO, P.O. Box 1146, Clewiston, FL 33440. 813 983-9429.

PRAISE IS LIKE CHAMPAGNE; IT SHOULD BE SERVED WHILE IT IS STILL BUBBLING..... Ka4ENZ.....

FOR SALE: KLM PA 15-160 2-meter FM/SSB amplifier mint condition. Make reasonable offer. Fred Van Aalst, WD4RAF, 1921 NW 41 St., Oakland Park, FL (no Zip given) 305 733-7222.

TRADE/SALE: SWAN 400 Transciever W/VFO, power supply, VOX, desk mike & manuals. $250. or LNW computer boards, components, peripiials. Bob Sirekis, 941 Oleander, Holly Hill, FL 32014 904 255-8249.

MONEY TALKS --- IT SAYS GOODBYE ! ! ..... K1GGP/4.....

FOR SALE: 54 ft. tristao crank up self supporting tower, TH6DXX tri-bander and Ham III rotator, with about 100 ft. of rotor cable and RG8U, all for $1,200. You pick it up. Bill Baczuk WA7WLT/4, 8775 - 20 St. No. 539, Vero Beach, FL 32960 or call 305 562-8527.

SELL: KENWOOD ☎520S with manual, mint condition $400. C. T. Grigg W2QUY/4, 201 N. John Rodes Blvd., Melbourne, FL 32935 305 259-9316.

FOR SALE: YAESU FT101Z with dealer installed digital display, fan, mike, manual and carton. Immaculate condition with only 19 minutes on the air. Cost was $842, selling for $ 32. Loren Tutell W4LCH, 539 Louden Ave., Dunedin, FL 33528 813 736-1011.

FOR SALE: DRAKE TR4C transceiver, AC-4 power supply, speaker $390. or offer. Heath HW-100 transceiver, HP-23 power supply, speaker $250./ offer. Both rigs in excellent condition. John Munro WB4BAF, 5012 Suwanee Ave., Tampa, FL 33603 813 238-5967.

SELL: YASEU FT101ZD, Mark III with fan, actual air time, 7 hours. Absolutely mint $625. Will ship. You pay for shipping. Ray Kemper K4ICB, 2630 Bismark Way, Sarasota, FL 33581 813 922-0138.

SOLID BRASS belt buckles, your call or your name on one line $8.00. Your name and call two lines $9.00. Add $1.00 shipping. S. Sionim, W2PD, 320 Rose St., Massapequa Park, NY 11762.

SELL: TEN TEC Century 21 with 670 electronic keyer, like new, in mint condition. Used only few hours as stand by rig. Manual and original packings $235. Dr. M. J. Billings W2BIV, 3800 S. Ocean Dr., Hollywood, FL 33019 305 458-4146.

A MAN KNOWS HE'S REACHED OLD AGE WHEN ALL THE PHONE NUMBERS IN HIS LITTLE BLACK BOOK ARE DOCTORS".

TRADE: RF-401, 80 watt transceiver, xtals for 34-94, 94-94, 16-76. Need all band receiver. Jack Eno WB4DNU, 2625 Teakwood Dr., Clearwater, FL 33520 813 535-3841.

New Kenwood AT230, carton. Heathkit Cantenna HN31, new unassembled. Two B&W dipole traps, 10-40. Time Zone wall clock, electric, 24 hour. Mint EV664 mike, switch. Very reasonable. Morton Berger K4JIL, 3051 NW 46 Ave., Lauderdale Lakes, FL 33313 305 735-9137.

WANTED: CW operators in Miami to check in GATOR NET, any morning at 830AM on 7090 kHz. We will QRS to your speed. Walt. KF4U Gn Mgr.

SALE OR TRADE: AEA-MBA-RC code converter (send & rec.) new, in Factory carton. (Received two for birthday gifts.) Also have Vibroplex Keyer (Chrome), Ameco TX 62 trans. Hammarlund Electronic Keyer. Will sell or trade all or part. Make offer. Looking for solid state transceiver, also Swan 117XC power supply. Al Sabiston WA4DMY, Mid-Florida Lakes, 33A Forest Dr., Leesburg, FL 32748 904 357-5975.

IT'S THAT TIME OF YEAR AGAIN. 1983 will soon be here. Once again FLORIDA SKIP, as a service to it's members only is sending a multi-colored calendar who request same. We must have a SASE. That means Self Addressed Stamped Envelope! This is our 21st year in sending out this neat little 3½ X 5¾ inch calendar. We have sent out thousands! ! These calendars cost SKIP about 26 cents each, but they are FREE to members. however; you can send a donation, if you wish. Send to: Calendar, Florida Skip, P.O. Box 501, Miami Springs, FL 33166. Thank you & 73 AC.

FOR SALE: Station being updated. Dentron MT-3000-A antenna tuner (two meters), as new condition. Heath SB-200 with 10 meters, new 572-Bs, just installed. Will demonstrate. Kenwood TS820 with digital readout. On air and will demonstrate. MC-50 desk mike, excellent. Drake W-4 watt meter. Kenwood SP820 speaker with filters. For further information write or phone. Everett L. Frank KE4NT 813-595-7186 or 8645 - 141 st St., N., Seminole, FL 33542.

FOR SALE: ATWATER KENT 40 and speaker, plays well $125. Radiala 18 with speaker, plays well $120. Truetone Superhet, untested, battery set $95. WANTED: Pilot audio transformers, Radio Design mags. Vol. 1 - No. 1, No. 2, No. 3, No. 4. David T. McKenzie K0SVJ, 170 W. 53rd St., Hialeah, FL 33012 305 558-8324.

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SALE: 40 ft. E-Z way tower and post. Purchaser must remove. $350. Ham M rotator and direction al control. $75. Heath Cantenna, 1 year old $20. Masco aluminum quad spider $20. Vibroplex key for electronic keyer $20. Heath Hybrid phone patch $25.
Certified checks only. Small articles can be shipped. Purchaser to pay shipping costs. A.M. Fischer K4BLH, 360 Church Rd., Tequesta, FL 305 746-7328.

WANTED: Crank down and tilt-over 40-50 ft. steel galvanized tower in good condition, with or without beam or quad. Bart Yager W4FC, 1136 SE Bianca Dr., Palm Bay, FL 32905 305 724-2926.

FOR SALE: GEM QUAD, 2 element 3-band, fiberglass arms $90. 5-band dipole wire with traps $20. Mike Thomas, PO Box 10375, Ft. Lauderdale, FL 33334 305 564-6068.

WANTED: ICOM 730 Xcvr, EZ way tower, 40 ft. with ground post - Programable scanner. Steve Hantz WA4UVW, Rt. 9 Box 450B, Lake City, FL 32055 904 752-3663.

ATTENTION: ICOM & KENWOOD OWNERS! ! For FREE information on our fantastic seperate Newsletters. Send S.A.S.E. to: Users International Radio Club, 364 Kilpatrick Ave., Port St. Lucie, FL 33452 (305) 878-7296. See our 1/2 page ad elsewhere, for equipment repair, update or alignment.

FOR SALE: Hammarlund HQ-180A receiver $145. Hallicrafters HT-37 transmitter $85. National NC-183D receiver $80. Vibroplex Champion Key $30. All in serviceable condition. Pick up only. Jim Santee KB4CFH 9301 SW 92 Ave. A-215, Miami, FL 33176 305 271-8006 evenings.

FOR SALE: Raytrack DX-2000L amplifier, Hy-Gain 203BA 20 meter beam. Pick-up only. Matt Scarff W4FAH, 618 Carey Place, Lakeland, FL 33803 813 683-4288 after 600PM.

WANTED: C W OPERATORS CHECK INTO QFN on 3651 any evening at 7 or 10 PM. Need mostly Jacksonville, Orlando, Lakeland, Tampa and all pan-handle cities...WD4AWN

Since we are told that EVERYONE reads the HAMBARS, we would like to wish you all a very Merry Christmas and a Happy New Year. STAFF of FLORIDA SKIP.

WANTED: ARMY MARS members in MIAMI. For more info write: E. E. Hoisington W4YTA, 1227 SE 12 Terr., Deerfield Beach, FL 33441 or call 305 421-6704.

NOTICE: Please get your HAMBARS in early. Make life just a lil easier for yea ole tired Editor. DONT call on telephone at last minuite with your HAMBAR. He is up to his "A" with much more important thinks at deadline time. Thanks for your consideration folks..... AC W4IYT

TOWERS AND HAM ITEMS. Save your money and buy at discount prices. Plus where else can you trade in anything that does not eat! ! ! Here are a few of many items you can buy or trade. FULL LINE OF MOSLEY, BASH BOOKS, VO Com, OLD TELEPHONES, USED GEAR AND TOWERS, NEW ALUMA CRANK UP AND STACK TOWERS. (ALUMINUM & STEEL) GROUND POSTS FOR TOWERS, MOBILE VAN TOWERS, TRAILER TOWERS, TUNA TOWERS FOR BOATS, POWER WINCHES FOR EITHER TOWERS OR BOATS, RE-CHARGEABLE TWO OR THREE CELL FLASHLIGHTS, ROTORS GUY WIRE; TURNBUCKLES', THIMBLES, CABLES, CLAMPS, STAINLESS STEEL AIRCRAFT CABLE, HOUSE BRACKETS, ANTI-CORROSION COMPOUNT FOR BEAMS & CONNECTORS, ANTENNA WEATHER GUARD, AND A NEW ITEM, EVERY ONE SHOULD HAVE TO SAVE THEIR EQUIPMENT. (PREMASPEC GROUNDING RECEPTACLES) RECEPTANCE PROTECTS SOLID STATE EQUIPMENT BY PREVENTING TRANSIENT VOLTAGE SPIKES IN THE ELECTRICAL CIRCUIT FROM REACHING THE EQ UIPMENT. WILL NOT INTERFERE WITH NORMAL CURRENT FLOW OR ENEGRY USE. WILL ALSO PROTECT OTHER RECPTACLES INSTALLED DOWN THE LINE. AND ONLY $29.95 PLUS $2.00 SHIPPING AND 5% SALES TAX FOR FLORIDA RES' NUTONE HEATERS, CHIMES, INTERCOMS & PADDLE FANS. DROP US A LINE OR PHONE: ROBERT D. McCLARAN SALES, P. O. Box 2513, VERO BEACH' FL 32960 PHONE 305 - 723-4793. THANK YOU. 73 BOB W4ZGG.

MIAMI FCC OFFICE MOVES

Effective November 1, 1982, all exams will be given by appointment only at the new Miami FCC Office. Send applications for examinations to the address below and you will be notified of date, time and place exam will be given. FEDERAL COMMUNICATIONS COMMISSION, SUITE 203 Koger Building, 8675 N.W. 53rd St., Miami, Florida 33166 The telephone is the same 305 350-5541-42.

proper operation of the recording equipment 2) insuring the text is narrated accurately 3) insuring the consistency and coherency of the narration 4) accurately filling out all paperwork 5) making sure no word fragments are left on the tape or any other problems that might occur on the tape and 6) insuring that the narrator follows correct procedures for all announcemnts, footnotes, etc.

The third member of the team is the reviewer. He/she is responsible for: 1) checking the tape with the text and seeing that the narration is correct and 2) checking that there are no errors in the recording — such as bad cut-ins, the right amount of time for reproducing is allowed at the beginning and end of tape, etc. Everything that is recorded is reviewed before it is duplicated and distributed.

Before individuals work on producing materials for the print handicapped they must successfully complete three training sessions. The training sessions are based on the National Braille Association and National Library for the Blind and Physically Handicapped standards for recording of print material.

Recording is accomplished in sound proof booths — the narrator, of course, inside the booth; the monitor at a desk right outside the booth. There is a small window in one wall where the team members can see each other; an intercom system for conversation between them. Reviewers work in locations independent from the studios.

The actual "master" recording is read onto professional pre-timed 7 inch open reel tape. This "master" is used to duplicate copies onto cassette for handicapped readers. Several cassette copies are made at one time on a high speed tape duplicating machine and when duplication is completed, the master reel is kept on file at the library. The cassettes are carefully placed in specially designed containers, and mailed to the patrons.

The library is open from 8:00 a.m. to 5:00 p.m. Monday through Saturday. The recording day is divided into four two hour sessions. The monitor and narrator can work only for a two hour shift.

The U.S. Postal laws and the Library of Congress laws prohibit the reading of advertising. This is why when a page in a magazine contains only advertising, we say "page ____ (number) contains advertising".

We cannot emphasize too strongly that the recording is a team effort of three people. With this teamwork in mind, our volunteer recorded material can and does — go anywhere, to be used by any blind or physically handicapped person.

If you know of someone that needs the services of the library, have them contact the library at 1-800-342-5627.

Fixed Services. Although the United States has not yet acted upon the Final Acts of WARC-79, they have been implemented by many countries. As a result, in some countries amateur radio operators are already using the 30-meter band.

The attraction of the band is that it bridges the wide propagation gap between the existing amateur radio service allocations in the 40 meter and 20 meter bands, permitting long-distance communications when the maximum usable frequency drops below 20 meters and ionospheric absorption makes communications on 40 meters unreliable.

The Commission noted that this action was subject to final action by the United States on the Final Acts of WARC-79 and to Commission rulemaking proceedings to implement the treaty provisions. It warned amateur radio operators that the amendment may be effective for only a brief period and that official action by the United States and the FCC regarding the Final Acts would ultimately determine the parameters within the FCC may act in relation to use of the 30-meter band in the Amateur Service.

Action by the Commission October 28, 1982, by Order (FCC 82-469). Commissioners Fowler (Chairman), Quello, Fogarty, Hones, Dawson and Sharp.

LATE NEWS: DO NOT USE 10,109 to 10,115 KHZ AS IT IS STILL BEING USED BY A GOVERNMENT STATION. CITATIONS WILL BE ISSUED!

If you look real carefully you might see the Dade County Amateur Radio Public Service Corps all-band HF and 2-meter antennas atop Gables Tower One building. These antennas terminate in the office of NOAA's Hurricane Center in Coral Gables. The inverted Vee is up over 200 feet. A complete Drake station plus KDK 2-meter station is ready to operate whenever Dr. Neil Frank, Chief Hurricane Forecaster, request amateur assistance. An agreement between NOAA and ARPSC, Dade Co. was made several years ago and has worked out very smoothly ever since. Wd4JNS is the Coordinator of this set-up for Dade ARPSC. Perhaps other groups around Florida and the USA might approach your local Weather Bureau and offer them a amateur radio back-up communication service in time of disaster.

"HOME BREWED" TORNADO ALARM SYSTEM USING YOUR TV

A recent issue of a magazine explains how to use a home television set — color or black and white — to spot whether a tornado is nearby. According to the article, Newton Weller of West Des Moines, Iowa developed the system to pinpoint a funnel cloud more closely after a warning has been broadcast. The magazine that published this article was done by the Argonne National Laboratory.

"Here's how it works: Warm up your TV set, tune in channel 13, and darken the screen to almost black. Turn to channel 2 and leave the volume control down. Your tornado detection devise is now in operation."

Lightning will produce momentary white bands of varying widths across the screen (color sets produce colored bands). A tornado within 15 to 20 miles will produce a totally white screen and remain white (color on color sets). Should this occur, turn off your TV set, take your portable radio, and take immediate shelter.

This system works because every TV set has a channel 2 at 55 megacycles. Lightning and tornados generate a signal near this frequency which overrides the brightness control. The darkness must be set on channel 13 because that is at the high end of the frequency and is not affected by the storm generated signals.

"If" a radio is tuned to the 550 kilocycle band, lightning will cause intermittent static. A tornado will cause continuous static. . .

The above article was found in the News and Views section of the ELECTRIFIED INDUSTRY of June, 1976 issue.

(N4EWR - Sarasota ARA)